

F. No. 3-1/ 2017-18-CFCC-E&S
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: 21.11.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 17.11.2017.

Summary observations of the Group on Agenda Items

- *In the Post-monsoon season, at All-India level, the rainfall during the week (09th November, 2017 – 15th November, 2017) has been 74% 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 97% in East & North East India, 91% in Central India, 64% in South Peninsula and 53% in North West India.*
- *The cumulative rainfall in the country during the Post-monsoon season i.e. 01st October to 15th November, 2017 has been 9% lower 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 21% in East & North East India and lower than LPA by 96% in North West India, 6% in South Peninsula and 4% in Central India.*
- *Out of 36 met sub-divisions, 08 met subdivisions constituting 22% of the total area of the country has received large excess/ excess rainfall, 12 met subdivisions constituting 26% of the total area of the country has received normal rainfall, 15 met sub-divisions constituting 47% of the total area of the country has received deficient/large deficient rainfall and 01 met sub-divisions constituting 05% of the total area of the country has received no rains.*
- *Central Water Commission monitors 91 major reservoirs in the country which have total live capacity of 157.80 Billion Cubic Meter (BCM) at Full Reservoir Level (FRL). Out of these, 76 reservoirs with FRL capacity of 116.25 BCM have irrigation potential. Live storage in the 91 major reservoirs as on 16th November, 2017 has been 103.53 BCM as against 107.72 BCM on 16.11.2016 (last year) and 108.30 BCM of normal (average of the last 10 years) storage. Current year's storage is 96% of last year's storage and the average of last 10 year's storage each.*
- *All-India progressive procurement of Rice as on 17.11.2017 for 2017-18 was 161.43 lakh tonnes against the procurement of 148.60 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 308.25 lakh tonnes against the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*
- *Imports of wheat, pulses, edible oil and sugar during the current year (April to Sep) have been higher as compared to its imports during the corresponding period of last year.*

1. **Post-monsoon Season (October – December) during the week ending 15th November, 2017**

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

- **Rainfall during the week (09th November, 2017 to 15th November, 2017)** Rainfall was large excess/excess in 02 subdivisions, normal in 03, deficient/large deficient in 12 subdivisions and no rain in 19 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st October, 2017 to 15th November, 2017)** Rainfall was large excess/excess in 08, normal in 12, deficient/large deficient in 15 sub-divisions and no rain in 01 met subdivisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (15.11.2017)				Cumulative (01.10.17 to 15.11.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.7	1.5	-53	D	1.4	35.4	-96	LD
Central India	0.3	3.5	-91	LD	64.1	66.8	-4	N
South Peninsular India	7.3	20.0	-64	LD	197.1	209.3	-6	N
East & North-East India	0.2	7.2	-97	LD	180.0	148.5	21	E
Country as a whole	1.8	6.9	-74	LD	89.4	98.5	-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 Oct. to 15th Nov., 2017

No. of Sub-Divisions with rainfall	For the period from 1 st October to					
	14 NOV 2012	13 NOV 2013	12 NOV 2014	18 NOV 2015	16 NOV 2016	15 NOV 2017
Large Excess	-	-	-	-	-	00
Excess	03	19	03	03	05	08
Normal	14	07	08	05	09	12
Total	17	26	11	08	14	20
Deficient	06	10	11	10	09	05
Large Deficient	-	-	-	-	-	10
Scanty	13	00	14	18	13	-
No rain	00	00	00	00	00	01
Total	19	10	25	28	22	16
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 12%	40%	(-) 32%	(-) 28%	(-) 39%	(-) 9%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 17th Nov. to 21st Nov., 2017 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 and Gujarat

South Peninsula - Andhra Pradesh & Telangana, Karnataka, Tamil Nadu & Puducherry, Kerala and Lakshadweep.

East & North East India - Bihar, Jharkhand, Odisha, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram, Tripura, and Andaman and Nicobar Islands.

Table: 1.1

METEOROLOGICAL SUB-DIVISIONWISE DISTRIBUTION OF REALISED RAINFALL -2017								
S.No.	MET.SUB-DIVISIONS	09 NOV	10 NOV	11 NOV	12 NOV	13 NOV	14 NOV	15 NOV
1	ANDAMAN & NICO.ISLANDS	FWS	WS	WS	WS	WS	WS	SCT
2	ARUNACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
3	ASSAM & MEGHALAYA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
4	NAGA.MANI.MIZO.& TRIPURA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
5	SUB-HIM.W. BENG. & SIKKIM	DRY	DRY	DRY	DRY	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	DRY	DRY	DRY	DRY	FWS
7	ODISHA	DRY	DRY	DRY	DRY	DRY	DRY	SCT
8	JHARKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	DRY
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
12	UTTARAKHAND	DRY	DRY	DRY	DRY	DRY	DRY	DRY
13	HARYANA CHD. & DELHI	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
14	PUNJAB	DRY	DRY	DRY	DRY	DRY	DRY	SCT
15	HIMACHAL PRADESH	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
16	JAMMU & KASHMIR	DRY	DRY	DRY	DRY	DRY	DRY	FWS
17	WEST RAJASTHAN	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
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	DRY	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
30	RAYALASEEMA	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	ISOL	SCT	ISOL	ISOL	SCT	SCT
32	COASTAL KARNATAKA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
33	NORTH INT.KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INT.KARNATAKA	ISOL	DRY	DRY	DRY	DRY	DRY	ISOL
35	KERALA	WS	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
36	LAKSHADWEEP	DRY	FWS	DRY	DRY	DRY	DRY	DRY
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%)	DRY	NO STATION REPORTED RAINFALL			
* ACTIVE (R/F $1\frac{1}{2}$- 4 times the normal with WS/FWS, at least 2 stations should be 5 cm. along west coast & 3 cm. elsewhere)								
** VIGOROUS (R/F More than 4 times the normal with WS/FWS, at least 2 stations should be 8 cm. along west coast & 5 cm. elsewhere)								

Table: 1.4

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

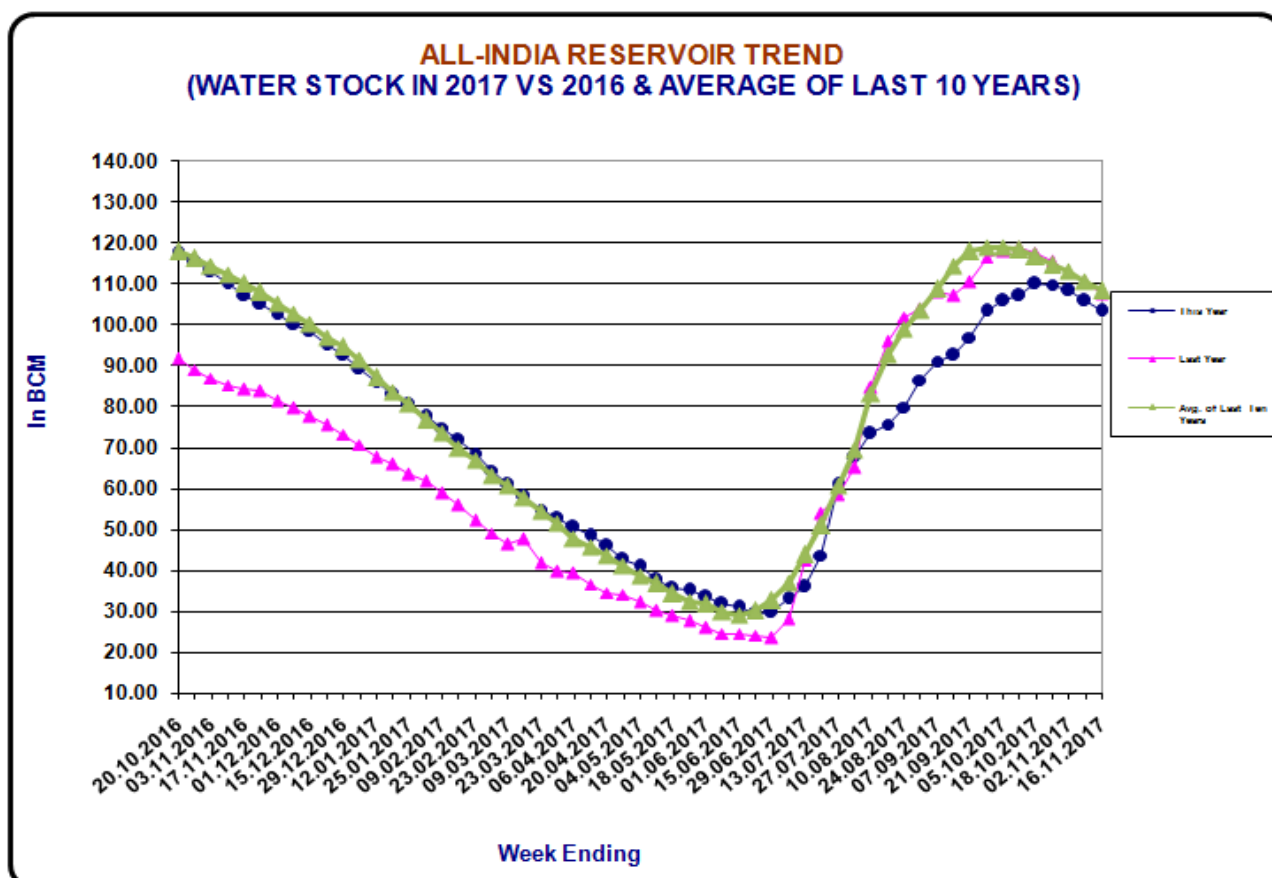
2. Reservoir Status (For the week ending on 16.11.2017)

- **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 62% of total reservoir capacity in the country.
- Water stock in 91 major reservoirs decreased to 103.53 BCM from the previous week's level of 105.98 BCM. Current storage is lower than the last year's position of 107.72 BCM and the average of last 10 year's storage of 108.30 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	66	96	96
Last Week	67	96	96
The percentage to live capacity at FRL was 68% on 16/11/2016, 54% on 16/11/2015, 70% on 16/11/2014 and 83% on 16/11/2013.			
<i>Source: CWC</i>			

There were 70 reservoirs having storage more than 80% of normal storage, 13 reservoirs having storage between 50% to 80%, 05 reservoir having storage between 30% to 50%, 03 reservoirs having storage upto 30% of Normal Storage.



Source: Central Water Commission

3. Fertilizer Position:

Table – 3.1: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Rabi 2017 (As on 16.11.2017)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.10.2017	1080	967	214	966	242
Requirement for Rabi, 2017	15430	5083	1670	5046	2948
Requirement upto November, 2017	3209	1397	379	978	625
Availability upto 16.11.2017	4578	2710	622	2208	849
Sales upto 16.11.2017	2755	1759	349	924	536
Closing Stock upto 16.11.2017	1823	951	273	1284	313

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

4. Pest & Diseases:

- Brown Plant Hopper and Gundhibug incidence was observed above ETL in Rice at Bargarh ,Balangir, Kalahandi, Koraput, Nuapada, Rayagada, Dhenkanal, Gajapati, Ganjam, Jharsuguda, Sambalpur, Sonepur, Boudh, Khurda, Angul, Balasore, Bhadrak district of Odisha and BPH in Jagityal Mandal of Mahbubnagar district of Telangana.
- Pod borer incidence in redgram was observed above ETL in Maharashtra state in limited area.
- Rodents incidence in rice was reported from Tengnoupal and Moreh block in Tengnoupal district of Manipur in moderate intensity. An advisory is issued on 04-11-2017.
- An advisory on Brown Plant Hopper (BPH) and Pink boll worm to Telangana and Pod borer in Red gram to Maharashtra and Army worm in Rice to Assam state has been issued on 10-11-2017.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.
- *Availability position of seeds and fertilizers has been found satisfactory.*

5: All India Crop Situation

Table: 5.1

All India Crop Situation - Rabi (2017-18) as on 17-11-2017									(Area in lakh hectares)	
Crop Name	Normal Area	Average Area as on date	Area sown			Absolute Change over (+/-)		% Change over		
			This Year	% of Normal	Last Year	Average as on date	Last Year	Average as on date	Last Year	
Wheat	304.43	94.02	60.19	19.8	75.07	-33.8	-14.9	-36.0	-19.8	
Rice	41.07	7.84	8.57	20.9	6.53	0.7	2.0	9.3	31.2	
Jowar	37.52	26.35	22.90	61.0	20.88	-3.4	2.0	-13.1	9.7	
Maize	15.73	3.51	4.75	30.2	3.67	1.2	1.1	35.4	29.5	
Barley	6.62	2.32	2.35	35.6	1.44	0.0	0.9	1.3	63.6	
Total Coarse Cereals	59.87	32.57	30.59	51.1	26.11	-2.0	4.5	-6.1	17.1	
Total Cereals	405.37	134.43	99.35	24.5	107.71	-35.1	-8.4	-26.1	-7.8	
Gram	86.80	38.03	60.69	69.9	43.91	22.7	16.8	59.6	38.2	
Lentil	14.14	4.84	7.96	56.2	5.03	3.1	2.9	64.3	58.2	
Peas	8.72	4.57	4.38	50.2	3.70	-0.2	0.7	-4.3	18.3	
Kulthi(Horse Gram)	2.20	2.34	2.60	118.5	2.01	0.3	0.6	11.1	29.6	
Urad	7.85	1.54	1.59	20.2	1.51	0.1	0.1	3.2	5.2	
Moong	9.26	0.45	0.39	4.2	0.44	-0.1	0.0	-13.3	-10.1	
Lathyrus	4.70	1.50	1.87	39.7	2.32	0.4	-0.5	24.1	-19.7	
Others	3.55	1.50	1.76	49.6	1.54	0.3	0.2	17.1	14.4	
Total Pulses	137.22	54.78	81.24	59.2	60.46	26.5	20.8	48.3	34.4	
Total Foodgrains	542.59	189.21	180.58	33.3	168.17	-8.6	12.4	-4.6	7.4	
Rapeseed & Mustard	60.89	47.74	44.53	73.1	46.84	-3.2	-2.3	-6.7	-4.9	
Groundnut	8.22	1.97	2.01	24.5	1.93	0.0	0.1	2.2	4.2	
Safflower	1.83	0.68	0.41	22.4	0.39	-0.3	0.0	-39.9	5.7	
Sunflower	4.33	1.94	1.06	24.5	0.90	-0.9	0.2	-45.2	18.1	
Sesamum	5.13	0.20	0.17	3.4	0.07	0.0	0.1	-11.8	132.4	
Linseed	2.92	1.42	1.49	51.0	1.04	0.1	0.4	5.2	42.6	
Total Oilseeds (Nine)	83.32	54.13	49.78	59.7	51.30	-4.3	-1.5	-8.0	-3.0	
All- Crops	625.91	243.33	230.36	36.8	219.47	-13.0	10.9	-5.3	5.0	

Source: Crops & TMOP Divisions, DAC&FW

6. Progressive procurement of Rice as on 17.11.2017 (lakh tonnes)

Table: 6.1

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 17.11.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	-	0.04
Telangana	15.00	4.82	2.17
Bihar	12.00	-	-
Chhattisgarh	48.00	-	-
Haryana	30.00	39.52	35.59
Kerala	1.00	0.51	0.71
Madhya Pradesh	13.00	-	-
Maharashtra	4.00	0.14	0.18
Odisha	30.00	-	-
Punjab	115.00	112.46	108.09
Tamil Nadu	10.00	-	0.08
Uttar Pradesh	37.00	3.58	1.04
Uttarakhand	7.00	0.21	0.55
West Bengal	23.00	-	-
All-India	375.00	161.43	148.60

7. Progressive procurement of Wheat as on 17.11.2017 (lakh tonnes)

Table: 7.1

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 17.11.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	75.00	74.32	67.52
Madhya Pradesh	85.00	67.25	39.92
Punjab	115.00	117.06	106.49
Rajasthan	17.50	12.45	7.62
Uttar Pradesh	30.00	36.99	7.97
All-India	330.00	308.25	229.62