

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: 05.07.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 30.06.2017.

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (22nd June, 2017 – 28th June, 2017) has been 5% 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 20% in North West India, 19% in South Peninsula and 1% Central India but lower than LPA by 38% in East & North East India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June to 28th June, 2017 has been equal to Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher than LPA by 26% in North West India, 14% in South Peninsula and equal to LPA in Central India but lower than LPA by 16% in East & North East India.*
- *Out of 36 met sub-divisions, 05 met subdivisions constituting 16% of the total area of the country has received large excess, 08 met subdivisions constituting 23% of the total area of the country has received excess rainfall, 15 met sub-divisions constituting 40% of the total area of the country has received normal rainfall and 08 met sub-divisions constituting 21% of the total area of the country has received deficient.*
- *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 29th June, 2017 has been 29.67 BCM as against 23.59 BCM on 29.06.2016 (last year) and 32.65 BCM of normal (average of the last 10 years) storage. Current year's storage is 126% of last year's storage and 91% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 20.9% of the normal area under Kharif crops has been sown upto 30.06.2017. Area sown under all Kharif crops taken together has been reported to be 222.30 lakh hectares at All India level as compared to 187.03 lakh hectares in the corresponding period of last year.*

- *As compared to normal area as on date, total area coverage this year is higher by 27.0 lakh ha. under Cotton, 2.7 lakh ha. under sugarcane, 2.9 lakh ha. under Moong, 4.2 lakh ha. under Bajra and lower by 3.6 lakh ha. under Soyabean.*
- *All-India progressive procurement of Rice as on 30.06.2017 for 2016-17 was 385.66 lakh tonnes against the procurement of 340.28 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 307.99 lakh tonnes against the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

1. **Monsoon Season (June – September) during the week ending on 28th June, 2017**

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

- **Rainfall during the week (22nd June, 2017 to 28th June, 2017)** Rainfall was large excess/excess in 11 subdivision, normal in 13 and deficient/large deficient in 12 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2017 to 28th June, 2017)** Rainfall was large excess/excess in 13, normal in 15 and deficient in 08 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (28.06.2017)				Cumulative (01.06.17 to 28.06.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	29.1	24.3	20	E	74.8	59.6	26	E
Central India	60.7	60.1	1	N	146.7	147.3	0	N
South Peninsular India	50.4	42.4	19	N	165.2	145.4	14	N
East & North-East India	58.3	93.9	-38	D	269.6	322.6	-16	N
Country as a whole	48.6	51.1	-5	N	147.8	148.0	0	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 to 28th June, 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st June to 28th June, 2017</i>					
	27 JUN 2012	26 JUN 2013	25 JUN 2014	01 JUL 2015	29 JUN 2016	28 JUN 2017
Large Excess	-	-	-	-	-	05
Excess	02	26	00	13	07	08
Normal	10	06	07	18	17	15
Total	12	32	07	31	24	28
Deficient	12	03	20	05	10	08
Large Deficient	-	-	-	-	-	00
Scanty	12	01	09	00	02	-
No rain	00	00	00	00	00	00
Total	24	04	29	05	12	08
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 23%	37%	(-) 40%	13%	(-) 12%	0%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 03rd July, 2017 to 07th July, 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, 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								
Sr.No	MET.SUB-DIVISIONS	22 JUN	23 JUN	24 JUN	25 JUN	26 JUN	27 JUN	28 JUN
1	ANDAMAN & NICO.ISLANDS	FWS	WS	FWS	WS	WS*	FWS	WS*
2	ARUNACHAL PRADESH	SCT	FWS	FWS	WS	WS	WS	FWS
3	ASSAM & MEGHALAYA	SCT	FWS	FWS	FWS	FWS	FWS	SCT
4	NAGA.MANI.MIZO.& TRIPURA	FWS	FWS	SCT	SCT	FWS	FWS	FWS
5	SUB-HIM.W. BENG. & SIKKIM	WS*	FWS	SCT	FWS	WS	SCT	WS
6	GANGETIC WEST BENGAL	SCT	SCT	SCT	FWS	FWS	FWS	FWS
7	ODISHA	FWS*	SCT	SCT	WS*	WS	WS	FWS
8	JHARKHAND	FWS	SCT	SCT	SCT	FWS	ISOL	SCT
9	BIHAR	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	SCT	ISOL	DRY	ISOL	ISOL	ISOL	SCT
12	UTTARAKHAND	FWS	ISOL	ISOL	SCT	WS	FWS	FWS
13	HARYANA CHD. & DELHI	ISOL	ISOL	ISOL	ISOL	DRY	ISOL	FWS**
14	PUNJAB	SCT	ISOL	DRY	DRY	DRY	ISOL	FWS*
15	HIMACHAL PRADESH	WS	ISOL	ISOL	DRY	SCT	FWS*	WS*
16	JAMMU & KASHMIR	WS	SCT	DRY	DRY	SCT	ISOL	ISOL
17	WEST RAJASTHAN	SCT	SCT	ISOL	ISOL	ISOL	SCT	FWS**
18	EAST RAJASTHAN	SCT	SCT	ISOL	ISOL	SCT	FWS*	FWS*
19	WEST MADHYA PRADESH	SCT	SCT	SCT	ISOL	SCT	FWS	SCT
20	EAST MADHYA PRADESH	SCT	SCT	ISOL	SCT	FWS	WS	FWS*
21	GUJARAT REGION D.D. & N.H.	ISOL	SCT	FWS*	SCT	FWS	FWS	SCT
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
23	KONKAN & GOA	WS	WS	WS	WS*	WS*	WS*	WS*
24	MADHYA MAHARASHTRA	ISOL	SCT	SCT	FWS*	FWS*	FWS*	FWS
25	MARATHAWADA	ISOL	SCT	FWS*	ISOL	SCT	FWS	SCT
26	VIDARBHA	FWS	FWS	SCT	ISOL	SCT	WS*	FWS
27	CHHATTISGARH	WS	FWS	ISOL	WS*	WS	FWS	WS
28	COASTAL ANDHRA PRADESH	SCT	ISOL	SCT	WS	WS	FWS*	SCT
29	TELANGANA	ISOL	FWS*	FWS	SCT	FWS*	WS	FWS*
30	RAYALASEEMA	ISOL	ISOL	FWS*	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	SCT	SCT	ISOL	ISOL	SCT
32	COASTAL KARNATAKA	WS	WS	WS	WS*	WS*	WS	WS
33	NORTH INT.KARNATAKA	ISOL	SCT	FWS	FWS	SCT	WS	SCT
34	SOUTH INT.KARNATAKA	SCT	SCT	SCT	SCT	SCT	FWS*	FWS*
35	KERALA	WS	WS	WS	WS	WS*	WS*	WS*
36	LAKSHADWEEP	FWS	FWS	WS	WS	WS	WS	WS
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 ^{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)								
* 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)		

Table: 1.4

Met-Sub-Division	03-Jul Today	04Jul Tue	05Jul Wed	06Jul Thu	07Jul Fri
1. Andaman & Nicobar Islands	SCT	FWS	WS	WS	WS
2. Arunachal Pradesh	WS	WS	WS	WS	WS
3. Assam & Meghalaya	WS	WS	WS	WS	WS
4. N. M. M. & T.	WS	WS	WS	WS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	WS	WS	WS	WS	WS
7. Odisha	FWS	FWS	FWS	FWS	WS
8. Jharkhand	WS	WS	WS	WS	WS
9. Bihar	WS	WS	WS	WS	WS
10. East Uttar Pradesh	WS	WS	WS	WS	WS
11. West Uttar Pradesh	WS	WS	WS	WS	WS
12. Uttarakhand	WS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	FWS	SCT	SCT	SCT	SCT
14. Punjab	SCT	SCT	ISOL	ISOL	ISOL
15. Himachal Pradesh	SCT	SCT	SCT	FWS	FWS
16. Jammu & Kashmir	SCT	ISOL	ISOL	ISOL	SCT
17. West Rajsthan	ISOL	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	FWS	SCT	ISOL	ISOL	ISOL
19. West Madhya Pradesh	FWS	FWS	FWS	FWS	FWS
20. East Madhya Pradesh	FWS	FWS	FWS	WS	WS
21. Gujarat Region	FWS	SCT	SCT	SCT	SCT
22. Saurashtra & Kutch	SCT	ISOL	ISOL	ISOL	SCT
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	SCT	SCT	SCT	SCT
25. Marathawada	ISOL	ISOL	ISOL	SCT	SCT
26. Vidharbha	FWS	FWS	FWS	FWS	FWS
27. Chhattisgarh	WS	FWS	WS	WS	WS
28. Coastal Andhra Pradesh	SCT	SCT	SCT	SCT	SCT
29. Telangana	SCT	SCT	SCT	SCT	SCT
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	SCT	SCT	SCT	SCT
34. South Interior Karnataka	FWS	SCT	SCT	SCT	SCT
35. Kerala	WS	FWS	FWS	FWS	FWS
36. Lakshadweep	FWS	FWS	FWS	FWS	FWS

% 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		

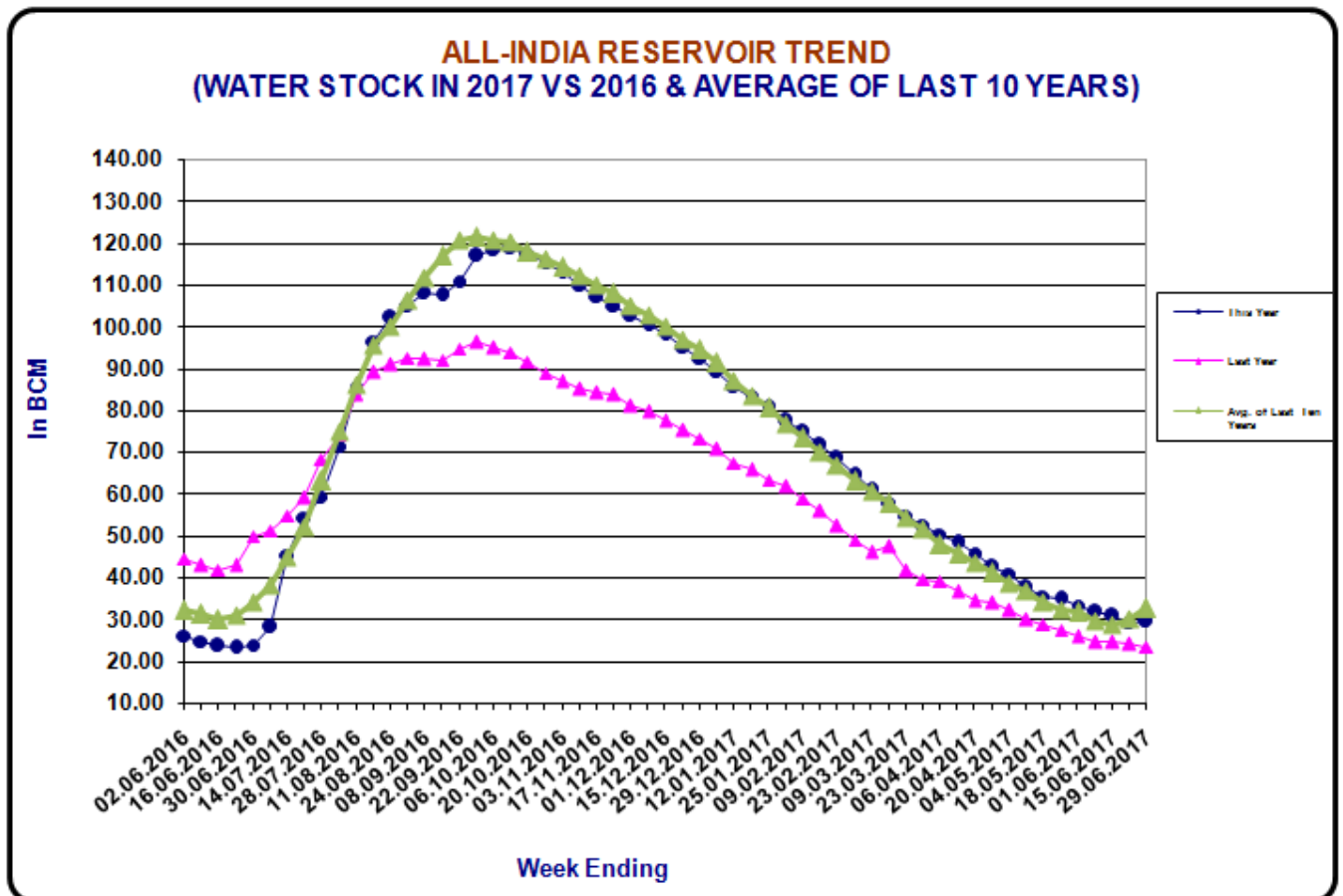
2. Reservoir Status (For the week ending on 29.06.2017)

- **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 increased to 29.67 BCM from the previous week's level of 29.41 BCM. Current storage is higher than the last year's position of 23.59 BCM and lower than the average of last 10 year's storage of 32.65 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	19	126	91
Last Week	19	122	98
The percentage to live capacity at FRL was 15% on 29/06/2016, 30% on 29/06/2015, 24% on 29/06/2014 and 26% on 29/06/2013.			
<i>Source: CWC</i>			

There were 40 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 50% to 80%, 15 reservoir having storage between 30% to 50%, 21 reservoirs having storage upto 30% of Normal Storage and 05 reservoirs having no live 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 Kharif 2016-17 (As on 29.06.2017)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2017	1340	586	76	692	214
Requirement for Kharif, 2017	14424	4791	1720	4773	2591
Requirement upto June, 2017	2717	965	338	949	519
Availability upto 29.06.2017	7143	2227	870	1562	1025
Sales upto 29.06.2017	4247	1200	555	501	633
Closing Stock upto 29.06.2017	2897	1026	315	1061	391

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

4. Pest & Diseases:

- Incidence of Slug caterpillar on Coconut has been reported in **moderate** intensity in Ferrargunj block of South Andaman district of Andaman & Nicobar Island.
- Incidence of Rugose spiralling whitefly on coconut, guava and banana orchard has been reported in Mulki, Karnad, Kolnad and Dharmastana blocks of Mangalore district of Karnataka State in **low to moderate** level.
- Incidence of Mango nut weevil on Mango has been reported in **traces** in Vizianagaram, West Godavari, Krishna, Prakasham, Chittoor, Kadapa & Kurnool districts of Andhra Pradesh State; in **low** intensity in Krishinagiri district of Tamilnadu State and in **low to moderate** intensity on Mango has been reported in Bengaluru Rural, Kolar, Chikkaballapur & Ramanagara districts of Karnataka State.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. All India Crop Situations

Table: 5.1

All India Crop Situation - Kharif (2017-18) as on 30.06.2017

(In lakh hectares)							
Crop Name	Normal Area for whole Kharif Season	Normal Area as on date	Area sown reported			Absolute Change over (+/-)	
			This Year 2017	% of Normal for whole season	Last Year 2016	Normal as on date	Last Year
Rice	395.94	51.56	38.93	9.8	39.08	-12.6	-0.1
Jowar	23.46	3.18	2.87	12.2	3.10	-0.3	-0.2
Bajra	76.66	7.84	12.61	16.4	8.46	4.8	4.2
Maize	73.30	23.09	20.32	27.7	21.84	-2.8	-1.5
Total Coarse Cereals	192.06	36.70	38.12	19.8	35.41	1.4	2.7
Total Cereals (kharif)	588.01	88.26	77.05	13.1	74.49	-11.2	2.6
Tur	39.24	4.39	5.69	14.5	6.41	1.3	-0.7
Urad	24.79	1.67	2.92	11.8	1.71	1.3	1.2
Moong	23.41	2.72	6.26	26.7	3.32	3.5	2.9
Kulthi	2.40	0.03	0.02	0.8	0.03	0.0	0.0
Others	15.74	1.41	3.91	24.8	1.57	2.5	2.3
Total Pulses	105.58	10.22	18.80	17.8	13.04	8.6	5.8
Total Foodgrains	693.59	98.48	95.85	13.8	87.53	-2.6	8.3
Groundnut	41.49	10.75	9.15	22.1	7.84	-1.6	1.3
Soyabean	110.36	22.91	15.28	13.8	18.92	-7.6	-3.6
Sunflower	2.29	0.45	0.27	12.0	0.56	-0.2	-0.3
Sesamum	17.97	1.20	0.96	5.3	0.81	-0.2	0.2
Nigerseed	2.92	0.05	0.02	0.7	0.02	0.0	0.0
Castorseed	11.84	0.39	0.21	1.8	0.21	-0.2	0.0
Total Oilseeds	186.86	35.75	25.90	13.85	28.35	-9.9	-2.5
Cotton	122.45	34.03	46.10	37.6	19.07	12.1	27.0
Sugarcane	50.05	44.50	47.52	95.0	44.82	3.0	2.7
Jute & Mesta	8.39	7.74	6.93	82.5	7.25	-0.8	-0.3
All- Crops	1061.34	220.49	222.30	20.9	187.03	1.8	35.3

Source: Crops & TMOP Divisions, DAC

Note: Area figures are as per eye assessment of State Agriculture Departments.

6. Progressive procurement of Rice as on 30.06.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 30.06.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.01	42.99
Telangana	30.00	35.88	15.80
Bihar	20.00	12.34	12.23
Chhattisgarh	35.00	46.62	34.42
Haryana	29.00	35.83	28.61
Kerala	2.22	3.08	3.76
Madhya Pradesh	9.00	13.14	8.41
Maharashtra	3.25	3.04	2.27
Odisha	31.00	35.04	33.69
Punjab	94.50	110.52	93.50
Tamil Nadu	15.00	1.41	10.97
Uttar Pradesh	33.50	23.54	29.10
Uttrakhand	6.00	7.06	5.97
West Bengal	25.00	19.12	15.43
All-India	380.00	385.66	340.28

7. Progressive procurement of Wheat as on 30.06.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 30.06.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	75.00	74.11	67.52
Madhya Pradesh	85.00	67.24	39.92
Punjab	115.00	117.05	106.49
Rajasthan	17.50	12.43	7.62
Uttar Pradesh	30.00	36.99	7.97
All-India	330.00	307.99	229.62