

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: 27.11.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 24.11.2017.

Summary observations of the Group on Agenda Items

- *In the Post-monsoon season, at All-India level, the rainfall during the week (16th November, 2017 – 22nd November, 2017) has been 22% 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 57% in East & North East India and 43% in Central India but lower than LPA by 57% in South Peninsula and 13% in North West India.*
- *The cumulative rainfall in the country during the Post-monsoon season i.e. 01st October to 22nd November, 2017 has been 10% 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 22% in East & North East India and lower than LPA by 90% in North West India, 10% in South Peninsula and 02% in Central India.*
- *Out of 36 met sub-divisions, 07 met subdivisions constituting 20% of the total area of the country has received large excess/ excess rainfall, 13 met subdivisions constituting 28% of the total area of the country has received normal rainfall, 16 met sub-divisions constituting 52% 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 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 23rd November, 2017 has been 101.08 BCM as against 105.34 BCM on 23.11.2016 (last year) and 106.52 BCM of normal (average of the last 10 years) storage. Current year's storage is 96% of last year's storage and 95% of the average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 24.11.2017 for 2017-18 was 169.90 lakh tonnes against the procurement of 153.34 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.*

1. **Post-monsoon Season (October – December) during the week ending 22nd November, 2017**

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

- **Rainfall during the week (16th November, 2017 to 22nd November, 2017)** Rainfall was large excess/excess in 08 subdivisions, normal in 02, deficient/large deficient in 21 subdivisions and no rain in 05 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st October, 2017 to 22nd November, 2017)** Rainfall was large excess/excess in 07, normal in 13, deficient/large deficient in 16 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (22.11.2017)				Cumulative (01.10.17 to 22.11.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	2.5	2.9	-13	N	4.0	38.3	-90	LD
Central India	4.4	3.1	43	E	68.6	69.9	-2	N
South Peninsular India	7.6	17.7	-57	D	204.6	227.0	-10	N
East & North-East India	5.3	3.4	57	E	185.3	151.9	22	E
Country as a whole	4.6	5.9	-22	D	94.1	104.4	-10	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 22nd Nov., 2017

No. of Sub-Divisions with rainfall	For the period from 1 st October to					
	21 NOV 2012	20 NOV 2013	19 NOV 2014	25 NOV 2015	23 NOV 2016	22 NOV 2017
Large Excess	-	-	-	-	-	01
Excess	03	18	02	06	04	06
Normal	13	08	10	04	10	13
Total	16	26	12	10	14	20
Deficient	07	10	09	08	08	05
Large Deficient	-	-	-	-	-	11
Scanty	13	00	15	18	14	-
No rain	00	00	00	00	00	00
Total	20	10	24	26	22	16
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 17%	36%	(-) 29%	(-) 25%	(-) 42%	(-) 10%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 24th Nov. to 28th 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	16 NOV	17 NOV	18 NOV	19 NOV	20 NOV	21 NOV	22 NOV
1	ANDAMAN & NICO.ISLANDS	ISOL	FWS	FWS	DRY	DRY	ISOL	WS
2	ARUNACHAL PRADESH	DRY	DRY	ISOL	SCT	DRY	SCT	DRY
3	ASSAM & MEGHALAYA	ISOL	SCT	ISOL	ISOL	DRY	ISOL	DRY
4	NAGA.MANI.MIZO.& TRIPURA	SCT	SCT	SCT	ISOL	ISOL	ISOL	DRY
5	SUB-HIM.W. BENG. & SIKKIM	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
6	GANGETIC WEST BENGAL	WS	WS	FWS	ISOL	DRY	DRY	DRY
7	ODISHA	FWS	WS	FWS	ISOL	ISOL	ISOL	DRY
8	JHARKHAND	ISOL	ISOL	ISOL	ISOL	DRY	DRY	DRY
9	BIHAR	ISOL	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	ISOL	ISOL	ISOL	DRY	DRY
13	HARYANA CHD. & DELHI	ISOL	ISOL	ISOL	DRY	DRY	DRY	DRY
14	PUNJAB	SCT	ISOL	ISOL	DRY	DRY	DRY	DRY
15	HIMACHAL PRADESH	ISOL	ISOL	SCT	ISOL	ISOL	DRY	DRY
16	JAMMU & KASHMIR	SCT	FWS	FWS	FWS	ISOL	ISOL	DRY
17	WEST RAJASTHAN	DRY	ISOL	ISOL	DRY	ISOL	DRY	DRY
18	EAST RAJASTHAN	ISOL	ISOL	DRY	DRY	DRY	DRY	ISOL
19	WEST MADHYA PRADESH	DRY	DRY	ISOL	ISOL	DRY	DRY	ISOL
20	EAST MADHYA PRADESH	DRY	DRY	ISOL	DRY	DRY	DRY	ISOL
21	GUJARAT REGION D.D. & N.H.	DRY	DRY	DRY	DRY	DRY	DRY	DRY
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	DRY	DRY	ISOL	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
25	MARATHAWADA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
27	CHHATTISGARH	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	ISOL	DRY	DRY	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	DRY	ISOL	DRY	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	SCT	ISOL	SCT
32	COASTAL KARNATAKA	DRY	DRY	DRY	SCT	SCT	ISOL	DRY
33	NORTH INT.KARNATAKA	DRY	DRY	DRY	ISOL	SCT	ISOL	DRY
34	SOUTH INT.KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
35	KERALA	DRY	DRY	ISOL	ISOL	FWS	FWS	SCT
36	LAKSHADWEEP	DRY	DRY	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 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	24-Nov Today	25Nov Sat	26Nov Sun	27Nov Mon	28Nov Tue
1. Andaman & Nicobar Islands	FWS	FWS	FWS	FWS	FWS
2. Arunachal Pradesh	ISOL	DRY	DRY	DRY	DRY
3. Assam & Meghalaya	DRY	DRY	DRY	DRY	DRY
4. N. M. M. & T.	ISOL	ISOL	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	DRY	ISOL	ISOL	DRY	DRY
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	DRY	DRY	DRY	DRY	DRY
8. Jharkhand	DRY	DRY	DRY	DRY	DRY
9. Bihar	DRY	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	DRY	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	DRY	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	DRY	DRY	DRY	DRY	DRY
24. Madhya Maharashtra	DRY	DRY	DRY	DRY	DRY
25. Marathawada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	DRY	DRY	ISOL	ISOL	ISOL
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	ISOL	ISOL	SCT	SCT	SCT
32. Coastal Karnataka	ISOL	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	DRY	DRY	DRY	DRY
35. Kerala	ISOL	ISOL	ISOL	SCT	SCT
36. Lakshadweep	ISOL	ISOL	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		

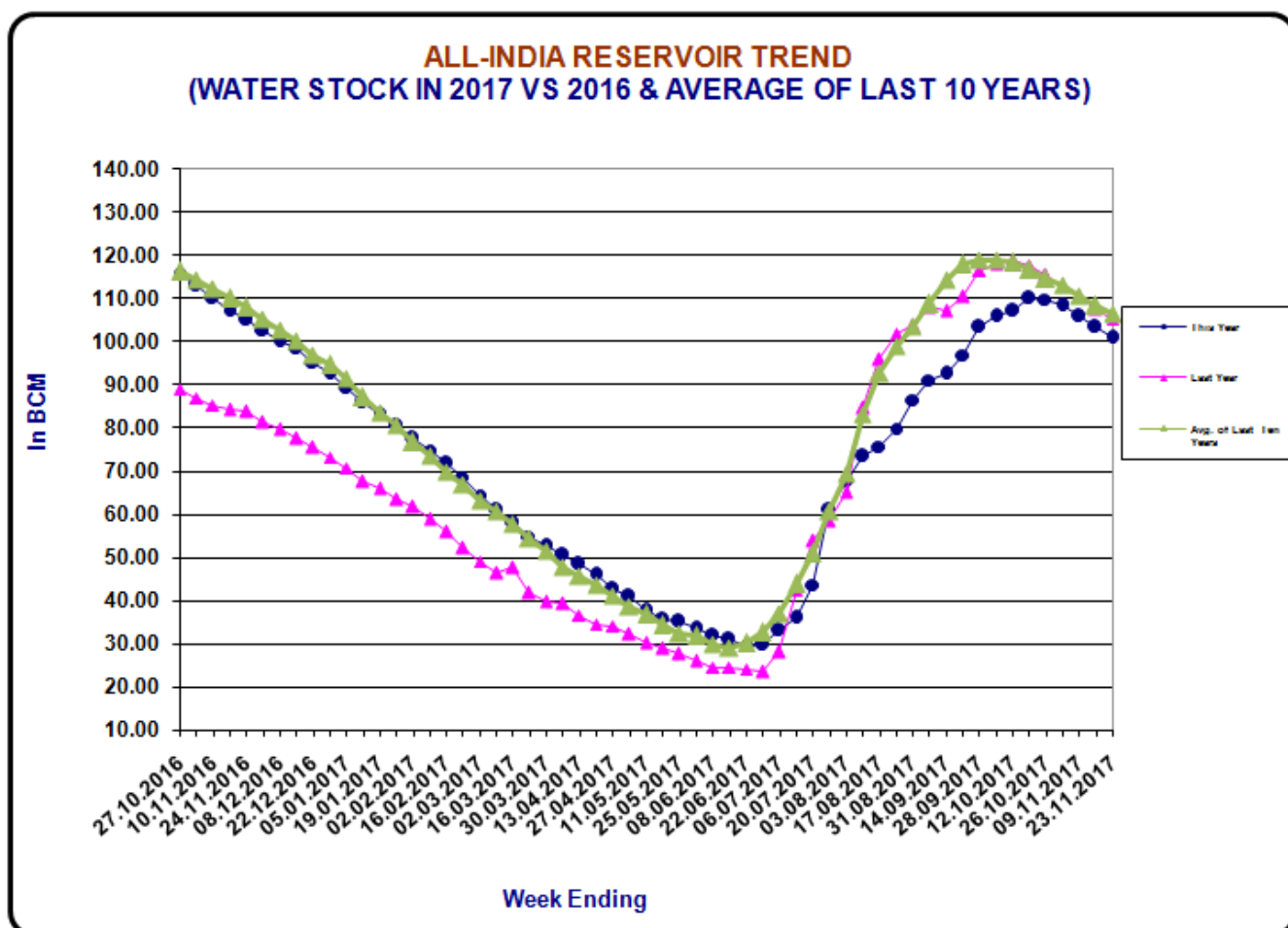
2. Reservoir Status (For the week ending on 23.11.2017)

- **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 101.08 BCM from the previous week's level of 103.53 BCM. Current storage is lower than the last year's position of 105.34 BCM and the average of last 10 year's storage of 106.52 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	64	96	95
Last Week	66	96	96
The percentage to live capacity at FRL was 67% on 23/11/2016, 53% on 23/11/2015, 69% on 23/11/2014 and 80% on 23/11/2013.			
<i>Source: CWC</i>			

There were 67 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 50% to 80%, 06 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 24.11.2017)

(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 24.11.2017	5312	2949	713	2448	944
Sales upto 24.11.2017	3529	2068	418	1114	631
Closing Stock upto 24.11.2017	1783	881	296	1334	312

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

4. Pest & Diseases:

- During the video conference held at Krishi Bhawan, New Delhi. Bihar and Maharashtra State Agriculture Department representatives have reported that incidence of Grass hopper in paddy, *Agrotis* sp in Lentil and Brown Plant Hopper (BPH) in Rice above ETL respectively.
- Brown Plant Hopper (BPH) incidence was recorded to be Moderate in Jagityal Mandal of Mahbubnagar district of Telangana.
- False smut of rice was reported at harvesting paddy in Ambikapur and Balrampur area of Chhattisgarh in traces to moderate intensity.
- Pink bollworm incidence was observed to be Low to Moderate at Adilabad district of Telangana and Guntur district of Andhra Pradesh.
- 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 24.11.2017									
(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	144.54	110.66	36.3	126.35	-33.9	-15.7	-23.4	-12.4
Rice	41.07	8.42	9.49	23.1	7.32	1.1	2.2	12.7	29.6
Jowar	37.52	29.60	25.51	68.0	24.54	-4.1	1.0	-13.8	4.0
Maize	15.73	5.20	6.49	41.3	5.32	1.3	1.2	24.8	22.0
Barley	6.62	4.37	3.70	55.9	3.92	-0.7	-0.2	-15.3	-5.6
Total Coarse Cereals	59.87	39.65	36.35	60.7	33.93	-3.3	2.4	-8.3	7.1
Total Cereals	405.37	192.61	156.50	38.6	167.60	-36.1	-11.1	-18.7	-6.6
Gram	86.80	62.73	72.96	84.1	62.83	10.2	10.1	16.3	16.1
Lentil	14.14	9.55	11.73	83.0	9.72	2.2	2.0	22.8	20.7
Peas	8.72	5.90	6.45	74.0	6.39	0.6	0.1	9.3	0.9
Kulthi(Horse Gram)	2.20	3.26	3.04	138.2	2.37	-0.2	0.7	-6.7	28.3
Urad	7.85	1.94	1.90	24.2	2.04	0.0	-0.1	-2.1	-6.9
Moong	9.26	0.77	0.58	6.3	0.77	-0.2	-0.2	-24.7	-24.7
Lathyrus	4.70	2.37	2.22	47.2	2.53	-0.2	-0.3	-6.3	-12.3
Others	3.55	2.25	2.56	72.1	2.33	0.3	0.2	13.8	9.9
Total Pulses	137.22	88.77	101.43	73.9	89.00	12.7	12.4	14.3	14.0
Total Foodgrains	542.59	281.38	257.93	47.5	256.60	-23.5	1.3	-8.3	0.5
Rapeseed & Mustard	60.89	55.87	51.37	84.4	57.86	-4.5	-6.5	-8.1	-11.2
Groundnut	8.22	2.28	2.56	31.1	2.44	0.3	0.1	12.3	4.9
Safflower	1.83	0.87	0.49	26.8	0.53	-0.4	0.0	-43.7	-7.5
Sunflower	4.33	2.22	1.12	25.9	0.95	-1.1	0.2	-49.5	17.9
Sesamum	2.97	0.26	0.19	6.4	0.13	-0.1	0.1	-26.9	46.2
Linseed	2.92	1.88	2.07	70.9	1.73	0.2	0.3	10.1	19.7
Total Oilseeds (Nine)	81.17	63.67	57.93	71.4	63.96	-5.7	-6.0	-9.0	-9.4
All- Crops	623.76	345.05	315.86	50.6	320.55	-29.2	-4.7	-8.5	-1.5

Source: Crops & TMOP Divisions, DAC&FW

6. Progressive procurement of Rice as on 24.11.2017 (lakh tonnes)

Table: 6.1

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 24.11.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	0.54	0.42
Telangana	15.00	6.82	3.43
Bihar	12.00	-	-
Chhattisgarh	48.00	-	-
Haryana	30.00	39.66	35.66
Kerala	1.00	0.62	0.89
Madhya Pradesh	13.00	0.28	0.14
Maharashtra	4.00	0.24	0.25
Odisha	30.00	-	-
Punjab	115.00	115.82	109.64
Tamil Nadu	10.00	-	0.08
Uttar Pradesh	37.00	5.48	1.39
Uttarakhand	7.00	0.24	1.25
West Bengal	23.00	-	-
All-India	375.00	169.90	153.34

7. Progressive procurement of Wheat as on 24.11.2017 (lakh tonnes)

Table: 7.1

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 24.11.2017	
		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