

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: 09.04.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 06.04.2018.

Summary observations of the Group on Agenda Items

- *In the pre monsoon season, at All-India level, the rainfall during the week (29th March, 2018 – 04th April, 2018) has been 52% 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 38% in South Peninsula but lower than LPA by 81% in North West India, 65% in East & North India and 05% in Central India.*
- *The cumulative rainfall in the country during the pre monsoon season i.e. 01st March to 04th April, 2018 has been 48% 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 67% in South Peninsula but lower than LPA by 72% in Central India, 65% in North West India, 43% in East & North East India.*
- *Out of 36 met sub-divisions, 09 met subdivision constituting 17% of the total area of the country has received large excess/excess rainfall, 02 met sub-divisions constituting 04% of the total area of the country has received normal rainfall, 23 met subdivisions constituting 73% of the total area of the country has received deficient/large deficient rainfall and 02 met sub-divisions constituting 06% of the total area of the country has received no rain.*
- *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 05th April, 2018 has been 42.97 BCM as against 50.42 BCM on 05.04.2017 (last year) and 47.56 BCM of normal (average of the last 10 years) storage. Current year's storage is 85% of last year's storage and also 90% of average of last 10 year's storage.*
- *As per 2nd advance estimates 2017-18 of Rabi crops, around 99% of the normal area was sown. Area sown under all Rabi crops taken together has been reported at 619.45 lakh hectares (2nd advance estimates) at All India level as compared to 635.33 lakh hectares in the final estimates of 2016-17.*
- *All-India progressive procurement of Rice as on 06.04.2018 for 2017-18 was at 314.11 lakh tonnes against the procurement of 320.24 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 13.16 lakh tonnes which was lower than the procurement of 13.80 lakh tonnes in the corresponding period of RMS 2017-18.*

Pre Monsoon Season (March – May) during the week ending 04th April, 2018

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

- **Rainfall during the week (29th March, 2018 to 04th April, 2018)** Rainfall was large excess/excess in 08 met sub-divisions, normal in 01 met sub-division, deficient/large deficient in 14 subdivisions and no rain in 13 met subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March, 2018 to 04th April, 2018)** Rainfall was large excess/excess in 09, normal in 02 met sub-divisions, deficient/large deficient in 23 sub-divisions and no rain in 02 subdivisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (04.04.2018)				Cumulative (01.03.18 to 04.04.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	1.4	7.4	-81	LD	18.1	52.3	-65	LD
Central India	2.5	2.6	-5	N	3.1	11.0	-72	LD
South Peninsular India	5.5	4.0	38	E	24.2	14.5	67	LE
East & North-East India	8.3	23.3	-65	LD	45.8	80.4	-43	D
Country as a whole	3.7	7.7	-52	D	18.7	35.6	-48	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: 1st March, to 04th April, 2018

No. of Sub-Divisions with rainfall	<i>For the period from 1st March to</i>					
	03 APR 2013	02 APR 2014	01 APR 2015	06 APR 2016	05 APR 2017	04 APR 2018
Large Excess	-	-	-	-	06	05
Excess	09	16	26	12	07	04
Normal	01	06	01	07	05	02
Total	10	22	27	19	18	11
Deficient	11	06	05	09	10	06
Large Deficient	-	-	-	-	05	17
Scanty	12	07	04	08	-	-
No rain	03	01	00	00	03	02
Total	26	14	09	17	18	25
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 49%	9%	95%	(-) 3%	7%	(-) 48%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 06th April to 10th April, 2018 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	05 APR	06 APR	07 APR	08 APR	09 APR	10 APR	11 APR
1	ANDAMAN & NICO.ISLANDS	SCT	ISOL	ISOL	SCT	SCT	ISOL	ISOL
2	ARUNACHAL PRADESH	FWS	FWS	SCT	SCT	SCT	FWS	FWS
3	ASSAM & MEGHALAYA	SCT ^{TS}	SCT ^{TS}	FWS ^{TS#}	FWS ^{TS}	FWS	FWS	FWS*
4	NAGA.MANI.MIZO.& TRIPURA	SCT ^{TS}	SCT ^{TS}	FWS ^{TS}	SCT ^{TS}	SCT	SCT	FWS* ^{TS}
5	SUB-HIM.W. BENG. & SIKKIM	FWS ^{TS#}	FWS ^{TS#}	FWS	SCT	SCT	FWS* ^S	SCT
6	GANGETIC WEST BENGAL	SCT ^{TS}	SCT ^{TS}	FWS ^{TS}	SCT	ISOL	ISOL	ISOL
7	ODISHA	ISOL ^{TS}	ISOL	SCT ^{TS#}	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL
8	JHARKHAND	ISOL ^{TS}	ISOL ^{TS}	SCT ^{TS#}	SCT	ISOL	ISOL	ISOL
9	BIHAR	ISOL ^{TS#}	ISOL ^{TS}	SCT	SCT	ISOL	ISOL	ISOL
10	EAST UTTAR PRADESH	D	ISOL	SCT	SCT ^{TS}	ISOL ^{TS}	ISOL	ISOL
11	WEST UTTAR PRADESH	D	ISOL	ISOL ^{TS}	SCT ^{TS}	ISOL	SCT ^{TS}	ISOL
12	UTTARAKHAND	ISOL	ISOL	SCT	SCT ^{TS}	FWS ^{TS}	FWS ^{TS}	SCT
13	HARYANA CHD. & DELHI	D	D	ISOL	ISOL ^{TS}	ISOL ^{TS}	SCT ^{TS}	ISOL
14	PUNJAB	D	D	ISOL	ISOL ^{TS}	SCT ^{TS}	SCT ^{TS}	ISOL
15	HIMACHAL PRADESH	ISOL	ISOL	ISOL	SCT ^{TS}	FWS ^{TS}	WS ^S	SCT
16	JAMMU & KASHMIR	ISOL	ISOL	ISOL	SCT	FWS ^{TS}	FWS ^{TS}	SCT
17	WEST RAJASTHAN	D ⁺	D	D	ISOL ^{TS}	ISOL	ISOL	D
18	EAST RAJASTHAN	D	D	ISOL	ISOL ^{TS}	ISOL	ISOL ^{TS}	ISOL
19	WEST MADHYA PRADESH	D ⁺	D	ISOL	ISOL	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	D	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
21	GUJARAT REGION D.D. & N.H.	D	D	D	D	D	D	D
22	SAURASTRA KUTCH & DIU	D	D	D	D	D	D	D
23	KONKAN & GOA	D	ISOL	ISOL	ISOL	ISOL	D	D
24	MADHYA MAHARASHTRA	D	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	D	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	ISOL	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL ^{TS}	ISOL
28	COASTAL ANDHRA PRADESH	ISOL ^{TS}	ISOL	ISOL ^{TS}	SCT	ISOL	ISOL	ISOL
29	TELANGANA	ISOL ^{TS}	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	D	D	ISOL	ISOL	ISOL	ISOL	D
31	TAMILNADU & PUDUCHERRY	ISOL ^{TS}	ISOL	ISOL	SCT ^{TS}	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	ISOL	ISOL	ISOL	SCT ^{TS}	ISOL	ISOL	ISOL
33	NORTH INT.KARNATAKA	ISOL	ISOL ^{TS}	ISOL	SCT	SCT	ISOL	ISOL
34	SOUTH INT.KARNATAKA	ISOL ^{TS}	ISOL ^{TS}	ISOL	SCT ^{TS}	SCT	ISOL	ISOL
35	KERALA	ISOL ^{TS}	ISOL	ISOL	SCT ^{TS}	SCT ^{TS}	ISOL	ISOL
36	LAKSHADWEEP	D	D	D	ISOL	ISOL	ISOL	ISOL
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)		
• FOG	* SNOWFALL	# HAILSTORM		† HEAT WAVE (+4.5°C to +6.4°C)		†† SEVERE HEAT WAVE (> +6.4)		
§ THUNDER SQUALL		DS/TS DUST/THUNDERSTORM		‡ COLD WAVE (-4.5°C to -6.4°C)		‡‡ SEVERE COLD WAVE (< -6.4)		

Table: 1.4

Met-Sub-Division	06-Apr Today	07Apr Sat	08Apr Sun	09Apr Mon	10Apr Tue
1. Andaman & Nicobar Islands	ISOL	ISOL	SCT	SCT	SCT
2. Arunachal Pradesh	FWS	SCT	SCT	SCT	SCT
3. Assam & Meghalaya	SCT	FWS	FWS	FWS	FWS
4. N. M. M. & T.	SCT	FWS	SCT	SCT	SCT
5. S.H. West Bengal & Sikkim	FWS	FWS	SCT	SCT	SCT
6. Gangetic West Bengal	SCT	FWS	SCT	ISOL	ISOL
7. Odisha	ISOL	SCT	ISOL	ISOL	ISOL
8. Jharkhand	ISOL	SCT	SCT	ISOL	ISOL
9. Bihar	ISOL	SCT	SCT	ISOL	ISOL
10. East Uttar Pradesh	ISOL	SCT	SCT	ISOL	ISOL
11. West Uttar Pradesh	ISOL	ISOL	SCT	ISOL	ISOL
12. Uttarakhand	ISOL	SCT	SCT	FWS	FWS
13. Haryana, Chd & Delhi	DRY	ISOL	ISOL	ISOL	ISOL
14. Punjab	DRY	ISOL	ISOL	SCT	SCT
15. Himachal Pradesh	ISOL	ISOL	SCT	FWS	FWS
16. Jammu & Kashmir	ISOL	ISOL	SCT	FWS	FWS
17. West Rajsthan	DRY	DRY	ISOL	ISOL	ISOL
18. East Rajasthan	DRY	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	DRY	ISOL	ISOL	ISOL	ISOL
20. East Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	ISOL	ISOL	ISOL	ISOL	ISOL
24. Madhya Maharashtra	ISOL	ISOL	ISOL	ISOL	ISOL
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	ISOL	ISOL	ISOL	ISOL	ISOL
27. Chhattisgarh	ISOL	ISOL	ISOL	ISOL	ISOL
28. Coastal Andhra Pradesh	ISOL	ISOL	SCT	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	DRY	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	SCT	ISOL	ISOL
32. Coastal Karnataka	ISOL	ISOL	SCT	ISOL	ISOL
33. North Interior Karnataka	ISOL	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	ISOL	ISOL

% 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		

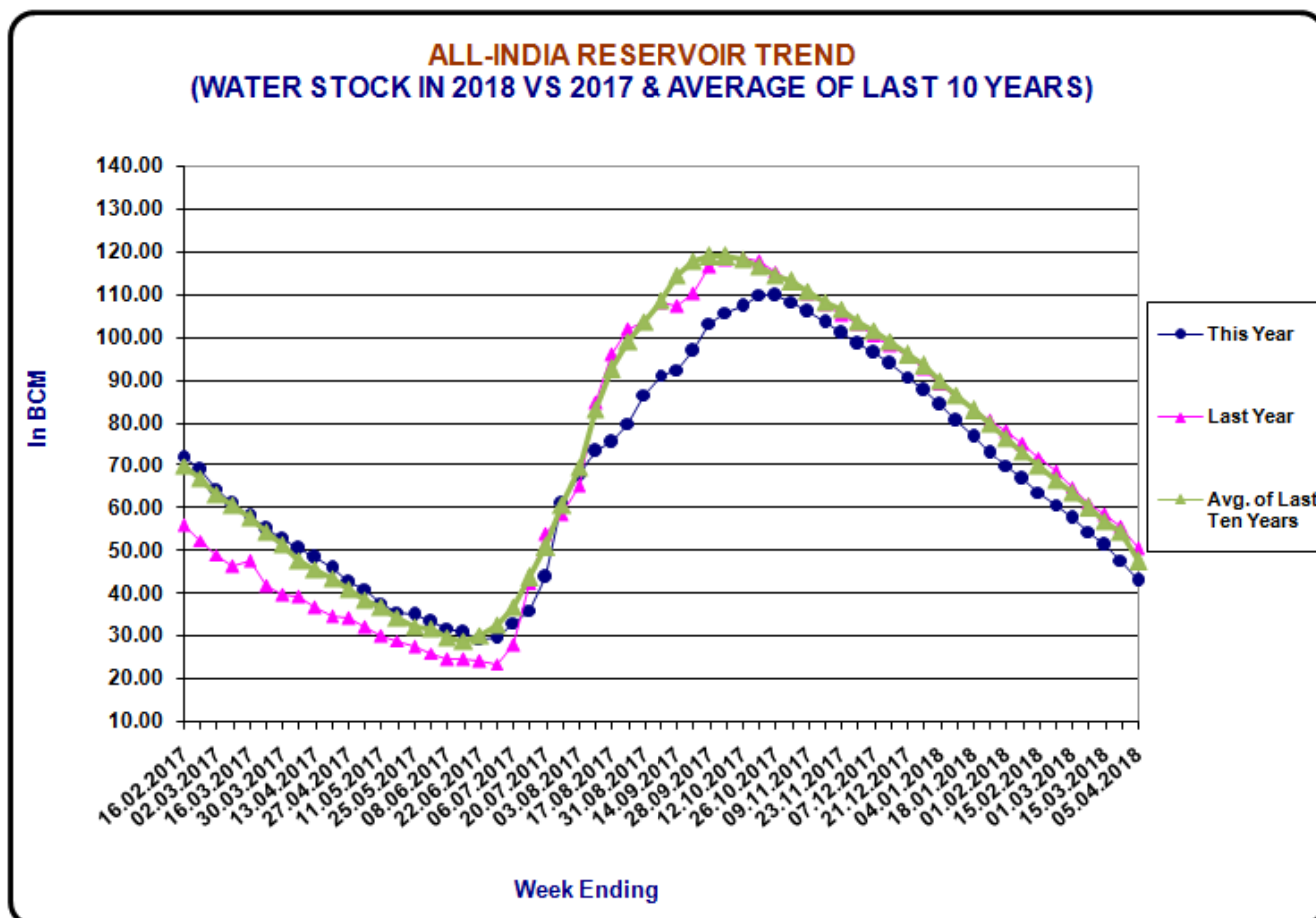
2. Reservoir Status (For the week ending on 05.04.2018)

- **The Central Water Commission** monitors the live storage 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.
- Water stock in 91 major reservoirs decreased to 42.97 BCM from the previous week's level of 46.14 BCM. Current storage is lower than the last year's position of 50.42 BCM and the average of last 10 year's storage of 47.56 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	27	85	90
Last Week	29	87	89
The percentage to live capacity at FRL was 31% on 05/04/2017, 24% on 05/04/2016, 35% on 31/03/2015 and 40% on 03/04/2014.			
<i>Source: CWC</i>			

There were 51 reservoirs having storage more than 80% of normal storage, 25 reservoirs having storage between 50% to 80%, 07 reservoir having storage between 30% to 50%, 08 reservoirs having storage upto 30% of Normal Storage and 04 reservoir 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 Rabi 2018 (As on 31.03.2018)

(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	15378	5055	1670	5046	2948
Requirement for March, 2018	1568	435	179	718	367
Availability upto 31.03.2018	16630	4831	1520	5743	2281
Sales upto 31.03.2018	15518	4582	1427	4951	2027
Closing Stock upto 31.03.2018	1112	249	92	792	254

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

4. Pest & Diseases:

- Overall incidence 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 Crop Situation

Table: 6.1

All India Rabi Crop Situation - 2nd Adv. Est. (2017-18) vis-à-vis Final (2016-17)						
(Area in lakh hectares)						
Crop Name	Normal Area	Area sown			Absolute Change over (+/-)	% Change over
		2nd Adv. Est. (2017-18)	% of Normal	Final Est. (2016-17)	Last Year	Last Year
Wheat	304.43	300.48	98.7	307.85	-7.4	-2.4
Rice	41.07	41.37	100.7	41.48	-0.1	-0.3
Jowar	37.52	29.81	79.5	35.65	-5.8	-16.4
Maize	15.73	16.33	103.8	17.92	-1.6	-8.9
Barley	6.62	7.37	111.4	6.56	0.8	12.3
Total Coarse Cereals	59.87	53.51	89.4	60.13	-6.6	-11.0
Total Cereals	405.37	395.36	97.5	409.46	-14.1	-3.4
Gram	86.80	104.25	120.1	96.26	8.0	8.3
Urad	7.85	8.47	107.9	10.00	-1.5	-15.3
Moong	9.26	5.78	62.4	9.57	-3.8	-39.6
Others	33.31	32.54	97.7	35.00	-2.5	-7.0
Total Pulses	137.22	151.05	110.1	150.83	0.2	0.1
Total Foodgrains	542.59	546.41	100.7	560.29	-13.9	-2.5
Rapeseed & Mustard	60.89	58.54	96.1	60.65	-2.1	-3.5
Groundnut	8.22	8.39	102.1	7.60	0.8	10.5
Safflower	1.83	0.71	39.0	1.45	-0.7	-50.9
Sunflower	4.33	2.07	47.7	2.08	0.0	-0.4
Linseed	2.92	3.32	113.7	3.33	0.0	-0.3
Total Oilseeds (Nine)	81.17	73.04	90.0	75.04	-2.0	-2.7
All- Crops	623.76	619.45	99.3	635.33	-15.9	-2.5

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 06.04.2018

Table: 7.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 06.04.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	27.82	25.91
Telangana	34.00	12.23	11.03
Bihar	12.00	7.96	12.34
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	2.32	1.95	2.16
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.61	2.44
Odisha	37.00	24.79	24.70
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	5.55	1.39
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.31	8.60
All-India	430.00	314.11	320.24

8. Progressive procurement of Wheat as on 06.04.2018

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 06.04.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Gujarat	0.50	0.09	0.01
Haryana	74.00	2.24	1.05
Madhya Pradesh	67.00	10.21	12.64
Punjab	119.00	0.01	0.01
Rajasthan	16.00	0.40	0.09
Uttar Pradesh	40.00	0.21	0.01
All-India	320.00	13.16	13.80