

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: 13.03.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 09.03.2018.

Summary observations of the Group on Agenda Items

- *In the pre monsoon season, at All-India level, the rainfall during the week (01st March, 2018 – 07th March, 2018) has been 30% 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 99% in Central India, 98% in South Peninsula, 34% in North West India and higher than LPA by 29% in East & North East India.*
- *Out of 36 met sub-divisions, 03 met subdivision constituting 06% of the total area of the country has received large excess rainfall, 16 met subdivisions constituting 51% of the total area of the country has received deficient/large deficient rainfall and 17 met sub-divisions constituting 43% 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 09th March, 2018 has been 54.39 BCM as against 61.21 BCM on 09.03.2017 (last year) and 60.05 BCM of normal (average of the last 10 years) storage. Current year's storage is 89% of last year's storage and also 91% of average of last 10 year's storage.*
- *The All Commodities inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of January, 2018, decreased to 2.84% from the level of 3.58% in the month of December, 2017. The inflation rate was 4.26% during the corresponding period of last year.*
- *The Primary Articles inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of January, 2018, decreased to 2.37% from the level of 3.86% in the month of December, 2017. The inflation rate was 1.93% during the corresponding period of last year.*
- *The inflation for non-food items has decreased to (-) 1.23% from the previous month's level of (-) 0.34% and for the food items to 3.00% from the previous month's level of 4.72%.*
- *Among the foodgrains, the inflation for Cereals has increased to (-) 1.98% from the previous month's level of (-) 3.00%, Wheat to (-) 6.94% from the previous month's level of (-) 8.47%, Pulses to (-) 30.43% from the previous month's level of (-) 34.60% and for Paddy to 4.59% from the previous month's level of 3.19%.*

- *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 09.03.2018 for 2017-18 was at 303.71 lakh tonnes against the procurement of 305.57 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 which was higher than the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*

Pre Monsoon Season (March – May) during the week ending 07th March, 2018

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

- **Rainfall during the week (01st March, 2018 to 07th March, 2018)** Rainfall was large excess in 03 met sub-divisions, deficient/large deficient in 16 subdivisions and no rain in 17 met subdivisions out of 36 meteorological sub-divisions. (Sub-division wise weekly and seasonal rainfall distribution is given in **Annex-I** and **Annex-II**, respectively).

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

Region	Week Ending (07.03.2018))				Cumulative (01.03.18 to 07.03.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	6.9	10.4	-34	D	6.9	10.4	-34	D
Central India	0.0	2.3	-99	LD	0.0	2.3	-99	LD
South Peninsular India	0.0	2.5	-98	LD	0.0	2.5	-98	LD
East & North-East India	14.4	11.1	29	E	14.4	11.1	29	E
Country as a whole	4.4	6.3	-30	D	4.4	6.3	-30	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 07th March, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st March to					
	13 MAR 2013	12 MAR 2014	11 MAR 2015	09 MAR 2016	08 MAR 2017	07 MAR 2018
Large Excess	-	-	-	-	07	03
Excess	07	26	26	15	00	00
Normal	01	04	03	02	04	00
Total	08	30	29	17	11	03
Deficient	02	01	02	08	06	03
Large Deficient	-	-	-	-	12	13
Scanty	09	03	04	08	-	-
No rain	17	02	01	03	07	17
Total	28	06	07	19	25	33
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-80%	115%	237%	(-30%	(-10%	(-30%

Source: IMD

➤ Sub-division-wise 5 days rainfall forecast from 09th March to 13th March, 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	08 MAR	09 MAR	10 MAR	11 MAR	12 MAR	13 MAR	14 MAR
1	ANDAMAN & NICO.ISLANDS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	ISOL	ISOL	SCT	SCT	ISOL	ISOL	ISOL
3	ASSAM & MEGHALAYA	D	D	ISOL	ISOL	ISOL ^{TS}	ISOL	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	D	D	ISOL	ISOL	ISOL ^{TS}	ISOL	ISOL
5	SUB-HIM.W. BENG. & SIKKIM	D	D	D	ISOL	ISOL	D	D
6	GANGETIC WEST BENGAL	D	D	D	ISOL	ISOL	D	D
7	ODISHA	D	ISOL	D	ISOL	ISOL	D	D
8	JHARKHAND	ISOL	D	D	ISOL	ISOL	D	D
9	BIHAR	D	D	D	D	D	D	D
10	EAST UTTAR PRADESH	ISOL	D	D	D	D	D	D
11	WEST UTTAR PRADESH	D	D	D	D	D	D	D
12	UTTARAKHAND	D	D	D	D	D	ISOL	ISOL
13	HARYANA CHD. & DELHI	D	D	D	D	D	D	ISOL
14	PUNJAB	ISOL	D	D	D	D	D	ISOL
15	HIMACHAL PRADESH	D	ISOL	D	D	ISOL	ISOL	SCT
16	JAMMU & KASHMIR	ISOL	ISOL	D	D	SCT	SCT	FWS
17	WEST RAJASTHAN	D	D	D	D	D	D	D
18	EAST RAJASTHAN	D	ISOL	D	D	D	D	D
19	WEST MADHYA PRADESH	ISOL	ISOL	D	D	D	D	D
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	D	D	D	D
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	D	D	D	D	D	D
24	MADHYA MAHARASHTRA	ISOL	D	D	D	D	D	D
25	MARATHAWADA	D	D	D	D	D	D	D
26	VIDARBHA	D	D	ISOL	ISOL	D	D	D
27	CHHATTISGARH	D	ISOL	ISOL	ISOL	D	D	D
28	COASTAL ANDHRA PRADESH	D	D	D	D	D	D	D
29	TELANGANA	D	D	D	D	D	D	D
30	RAYALASEEMA	D	D	D	D	D	D	D
31	TAMILNADU & PUDUCHERRY	D	D	D	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	D	D	D	D	D	D	D
33	NORTH INT.KARNATAKA	D	D	D	D	D	D	D
34	SOUTH INT.KARNATAKA	D	D	D	D	D	ISOL	ISOL
35	KERALA	ISOL	ISOL	D	D	ISOL	ISOL	ISOL
36	LAKSHADWEEP	ISOL	D	D	D	D	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		🔥 SEVERE HEAT WAVE	
§ THUNDER SQUALL	DS/TS DUST/THUNDERSTORM			❄️ COLD WAVE		❄️ SEVERE COLD WAVE		

Table: 1.4

Met-Sub-Division	09-Mar Today	10Mar Sat	11Mar Sun	12Mar Mon	13Mar Tue
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	ISOL	ISOL
2. Arunachal Pradesh	ISOL	SCT	SCT	ISOL	ISOL
3. Assam & Meghalaya	DRY	ISOL	ISOL	ISOL	ISOL
4. N. M. M. & T.	DRY	ISOL	ISOL	ISOL	ISOL
5. S.H. West Bengal & Sikkim	DRY	DRY	ISOL	ISOL	ISOL
6. Gangetic West Bengal	DRY	DRY	ISOL	ISOL	ISOL
7. Odisha	ISOL	DRY	ISOL	ISOL	ISOL
8. Jharkhand	DRY	DRY	ISOL	ISOL	ISOL
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	ISOL	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	DRY	DRY	ISOL	ISOL
16. Jammu & Kashmir	SCT	DRY	DRY	SCT	SCT
17. West Rajsthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	ISOL	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	DRY	DRY	DRY
24. Madhya Maharashtra	DRY	DRY	DRY	DRY	DRY
25. Marathawada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	ISOL	ISOL	DRY	DRY
27. Chhattisgarh	ISOL	ISOL	ISOL	DRY	DRY
28. Coastal Andhra Pradesh	DRY	DRY	DRY	DRY	DRY
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	DRY	DRY	ISOL	ISOL	ISOL
32. Coastal Karnataka	DRY	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	DRY	DRY	ISOL	ISOL
36. Lakshadweep	DRY	DRY	DRY	DRY	DRY

% 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		

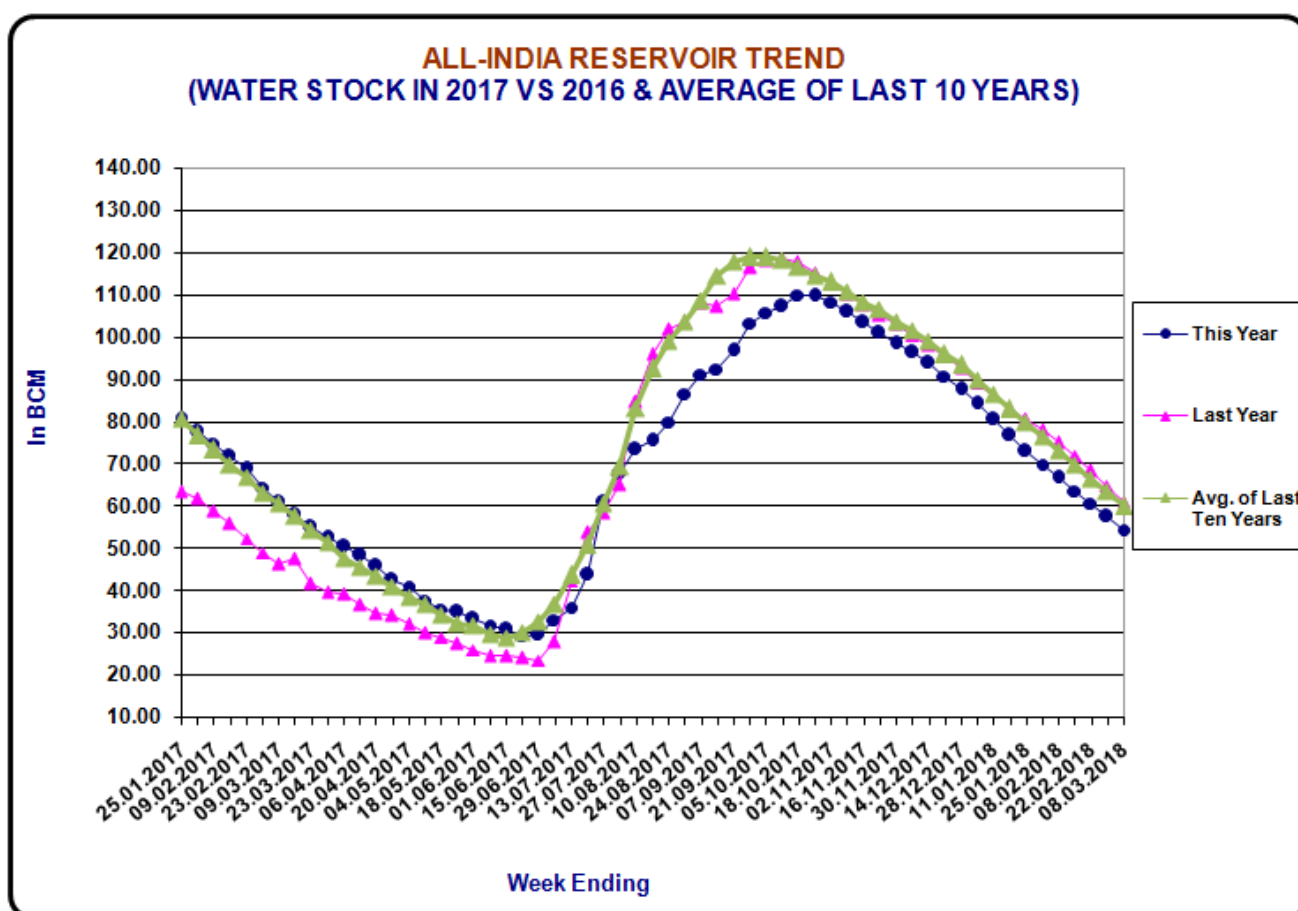
2. Reservoir Status (For the week ending on 08.03.2018)

- **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 54.39 BCM from the previous week's level of 57.68 BCM. Current storage is lower than the last year's position of 61.21 BCM and the average of last 10 year's storage of 60.05 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	34	89	91
Last Week	37	89	91
The percentage to live capacity at FRL was 38% on 08/03/2017, 29% on 08/03/2016, 40% on 04/03/2015 and 48% on 27/02/2014.			
<i>Source: CWC</i>			

There were 58 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 50% to 80%, 11 reservoir having storage between 30% to 50%, 07 reservoirs having storage upto 30% of Normal Storage and 02 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 08.03.2018)

(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 08.03.2018	14756	4472	1518	5188	1962
Sales upto 08.03.2018	13812	3943	1267	4058	1668
Closing Stock upto 08.03.2018	944	528	251	1130	295

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

4. Pest & Diseases:

- Incidence of Rugose Spiraling Whitefly on Coconut at Low to Medium level found in Mandya district of Karnataka. (An advisory has been already issued to Karnataka and farmers are advised to encourage aphelinid parasitoid *Encarisa* sp., Chrysopid and Coccinellid).
- Incidence of Rugose Spiraling Whitefly (RSW) on Oil palm and Coconut at Severe level found in East and West Godavari districts of Andhra Pradesh. RSW incidence also found in Banana, Mango, Citrus, Papaya, Cocoa, Guava and ornamental plants etc.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. **Availability position of seeds and fertilizers has been found satisfactory.**

6: **Percentage Variations in the Wholesale Price Indices (WPI) of Major items**

Table: 6.1

Period / Commodities	Weight	Inflation (year on year)		
		Jan-2018	Dec-2017	Jan-2017
All Commodities	100	2.84	3.58	4.26
Primary Articles	22.62	2.37	3.86	1.93
(a) Food Articles	15.26	3.00	4.72	0.29
Cereals	2.82	-1.98	-3.00	8.45
Paddy	1.43	4.59	3.19	5.89
Wheat	1.03	-6.94	-8.47	12.83
Pulses	0.64	-30.43	-34.60	4.22
Gram	0.26	-40.31	-42.10	57.79
Arhar	0.13	-18.34	-32.17	-34.80
Moong	0.07	-6.27	-9.78	-28.37
Masur	0.05	-21.35	-23.17	-15.43
Urad	0.09	-31.50	-32.17	-18.68
Vegetables	1.87	40.77	56.46	-23.49
Potato	0.28	8.68	-8.40	-16.67
Onion	0.16	193.89	197.05	-36.08
Fruits	1.60	8.49	11.99	1.87
Milk	4.44	3.93	3.85	2.97
Egg, Meat & Fish	2.40	0.37	1.67	-0.81
(b) Non-Food Articles	4.12	-1.23	-0.34	0.74
Oilseeds	1.12	2.00	-0.62	-3.91
Fuel & Power	13.15	4.08	9.16	16.67

7. All India Crop Situation

Table: 7.1

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

8. Progressive procurement of Rice as on 09.03.2018

Table: 8.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 09.03.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	25.94	24.39
Telangana	15.00	12.23	11.03
Bihar	12.00	5.29	7.01
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	1.00	1.24	1.51
Madhya Pradesh	13.00	10.96	12.97
Maharashtra	4.00	1.52	2.29
Odisha	30.00	22.77	18.82
Punjab	115.00	118.33	110.52
Tamil Nadu	10.00	3.09	1.12
Uttar Pradesh	37.00	28.61	23.54
Uttarakhand	7.00	0.38	7.06
West Bengal	23.00	0.20	8.41
All-India	375.00	303.71	305.57

9. Progressive procurement of Wheat as on 09.03.2018

Table: 9.1

(lakh tonnes)

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 09.03.2018	
		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