

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: 20.03.2018

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 16.03.2018.

Summary observations of the Group on Agenda Items

- *In the pre monsoon season, at All-India level, the rainfall during the week (08th March, 2018 – 14th March, 2018) has been 83% 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 95% in Central India, 92% in North West India, 84% in East & North East India and 16% in South Peninsula.*
- *The cumulative rainfall in the country during the pre monsoon season i.e. 01st March to 14th March, 2018 has been 58% 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 Central India, 62% in North West India, 54% in South Peninsula and 35% in East & North East India.*
- *Out of 36 met sub-divisions, 03 met subdivision constituting 01% of the total area of the country has received large excess/excess rainfall, 02 met sub-divisions constituting 07% of the total area of the country has received normal rainfall, 24 met subdivisions constituting 72% of the total area of the country has received deficient/large deficient rainfall and 07 met sub-divisions constituting 20% 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 15th March, 2018 has been 51.39 BCM as against 58.45 BCM on 15.03.2017 (last year) and 56.94 BCM of normal (average of the last 10 years) storage. Current year's storage is 88% of last year's storage and also 90% 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 February, 2018, decreased to 2.48% from the level of 2.84% in the month of January, 2018. The inflation rate was 5.51% 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 February, 2018, decreased to 0.79% from the level of 2.37% in the month of January, 2018. The inflation rate was 4.01% during the corresponding period of last year.*
- *The inflation for non-food items has decreased to (-) 2.66% from the previous month's level of (-) 1.23% and for the food items to 0.88% from the previous month's level of 3.00%.*

- *Among the foodgrains, the inflation for Wheat has increased to (-) 6.23% from the previous month's level of (-) 6.94% & Pulses to (-) 24.51% from the previous month's level of (-) 30.43%. The inflation for Cereals has decreased to (-) 2.45% from the previous month's level of (-) 1.98%, and for Paddy to 3.28% from the previous month's level of 4.59%.*
- *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 16.03.2018 for 2017-18 was at 306.58 lakh tonnes against the procurement of 307.37 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 14th March, 2018

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

- **Rainfall during the week (08th March, 2018 to 14th March, 2018)** Rainfall was large excess/excess in 04 met sub-divisions, deficient/large deficient in 15 subdivisions and no rain in 17 met subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st March, 2018 to 14th March, 2018)** Rainfall was large excess/excess in 03, normal in 02 met sub-divisions, deficient/large deficient in 24 sub-divisions and no rain in 07 subdivisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (14.03.2018))				Cumulative (01.03.18 to 14.03.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.8	10.0	-92	LD	7.7	20.4	-62	LD
Central India	0.1	2.2	-95	LD	0.1	4.5	-97	LD
South Peninsular India	2.4	2.9	-16	N	2.5	5.4	-54	D
East & North-East India	2.1	13.3	-84	LD	15.9	24.4	-35	D
Country as a whole	1.1	6.5	-83	LD	5.4	12.8	-58	D

E

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 14th 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	16 MAR 2016	15 MAR 2017	14 MAR 2018
Large Excess	-	-	-	-	11	01
Excess	07	26	26	20	06	02
Normal	01	04	03	04	05	02
Total	08	30	29	24	22	05
Deficient	02	01	02	06	05	03
Large Deficient	-	-	-	-	03	21
Scanty	09	03	04	04	-	-
No rain	17	02	01	02	06	07
Total	28	06	07	12	14	31
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 80%	115%	237%	19%	39%	(-) 58%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 16th March to 20th 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	15 MAR	16 MAR	17 MAR	18 MAR	19 MAR	20 MAR	21 MAR
1	ANDAMAN & NICO.ISLANDS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	SCT	FWS	FWS	ISOL	ISOL	ISOL	ISOL
3	ASSAM & MEGHALAYA	SCT ^{TS}	SCT ^{TS}	FWS ^{TS}	ISOL	ISOL	ISOL	D
4	NAGA.MANI.MIZO.& TRIPURA	ISOL ^{TS}	SCT ^{TS}	FWS ^{TS}	ISOL	ISOL	ISOL	D
5	SUB-HIM.W. BENG. & SIKKIM	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
6	GANGETIC WEST BENGAL	ISOL ^{TS}	ISOL	ISOL	D	D	D	D
7	ODISHA	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL	D	ISOL
8	JHARKHAND	ISOL ^{TS}	ISOL	D	D	D	D	D
9	BIHAR	D	ISOL	D	D	D	D	D
10	EAST UTTAR PRADESH	ISOL	ISOL	D	D	D	D	D
11	WEST UTTAR PRADESH	ISOL ^{TS}	D	D	D	D	ISOL	ISOL
12	UTTARAKHAND	ISOL	ISOL	D	D	D	ISOL	ISOL
13	HARYANA CHD. & DELHI	ISOL ^{TS}	D	D	D	D	ISOL	ISOL
14	PUNJAB	ISOL ^{TS}	D	D	D	D	ISOL	ISOL
15	HIMACHAL PRADESH	SCT	ISOL	D	D	D	ISOL	SCT
16	JAMMU & KASHMIR	FWS	ISOL	D	D	ISOL	SCT	SCT
17	WEST RAJASTHAN	ISOL	D	D	D	D	D	D
18	EAST RAJASTHAN	ISOL	D	D	D	D	D	D
19	WEST MADHYA PRADESH	ISOL	D	D	D	D	D	D
20	EAST MADHYA PRADESH	ISOL ^{TS}	ISOL	D	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	ISOL ^{TS}	ISOL	ISOL	D	D	D	D
24	MADHYA MAHARASHTRA	ISOL ^{TS}	ISOL	ISOL	D	D	D	D
25	MARATHAWADA	ISOL ^{TS}	ISOL	D	D	D	D	ISOL
26	VIDARBHA	ISOL ^{TS}	ISOL	ISOL	D	D	D	ISOL
27	CHHATTISGARH	ISOL	ISOL	ISOL	D	D	D	ISOL
28	COASTAL ANDHRA PRADESH	D	SCT	ISOL	ISOL	D	D	D
29	TELANGANA	ISOL ^{TS}	ISOL	ISOL	D	D	D	ISOL
30	RAYALASEEMA	ISOL ^{TS}	SCT	SCT	ISOL	D	D	D
31	TAMILNADU & PUDUCHERRY	SCT ^{TS}	ISOL	SCT	ISOL	ISOL	D	D
32	COASTAL KARNATAKA	FWS ^{TS}	FWS	SCT	SCT	ISOL	ISOL	ISOL
33	NORTH INT.KARNATAKA	ISOL ^{TS}	D	ISOL	ISOL	ISOL	ISOL	ISOL
34	SOUTH INT.KARNATAKA	SCT ^{TS} §	SCT	SCT	ISOL	ISOL	ISOL	ISOL
35	KERALA	FWS ^{TS} §	SCT	SCT	SCT	ISOL	ISOL	ISOL
36	LAKSHADWEEP	WS*	SCT	ISOL	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	16-Mar Today	17Mar Sat	18Mar Sun	19Mar Mon	20Mar Tue
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	ISOL	ISOL
2. Arunachal Pradesh	FWS	FWS	ISOL	ISOL	ISOL
3. Assam & Meghalaya	SCT	FWS	ISOL	ISOL	ISOL
4. N. M. M. & T.	SCT	FWS	ISOL	ISOL	ISOL
5. S.H. West Bengal & Sikkim	ISOL	ISOL	ISOL	ISOL	ISOL
6. Gangetic West Bengal	ISOL	ISOL	DRY	DRY	DRY
7. Odisha	ISOL	ISOL	ISOL	ISOL	ISOL
8. Jharkhand	ISOL	DRY	DRY	DRY	DRY
9. Bihar	ISOL	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	ISOL	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	ISOL	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	ISOL	DRY	DRY	ISOL	ISOL
17. West Rajasthan	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	ISOL	DRY	DRY	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	ISOL	ISOL	DRY	DRY	DRY
24. Madhya Maharashtra	ISOL	ISOL	DRY	DRY	DRY
25. Marathwada	ISOL	DRY	DRY	DRY	DRY
26. Vidharbha	ISOL	ISOL	DRY	DRY	DRY
27. Chhattisgarh	ISOL	ISOL	DRY	DRY	DRY
28. Coastal Andhra Pradesh	SCT	ISOL	ISOL	DRY	DRY
29. Telangana	ISOL	ISOL	DRY	DRY	DRY
30. Rayalaseema	SCT	SCT	ISOL	DRY	DRY
31. Tamilnadu & Puducherry	ISOL	SCT	ISOL	ISOL	ISOL
32. Coastal Karnataka	FWS	SCT	SCT	ISOL	ISOL
33. North Interior Karnataka	DRY	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	SCT	SCT	ISOL	ISOL	ISOL
35. Kerala	SCT	SCT	SCT	ISOL	ISOL
36. Lakshadweep	SCT	ISOL	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		

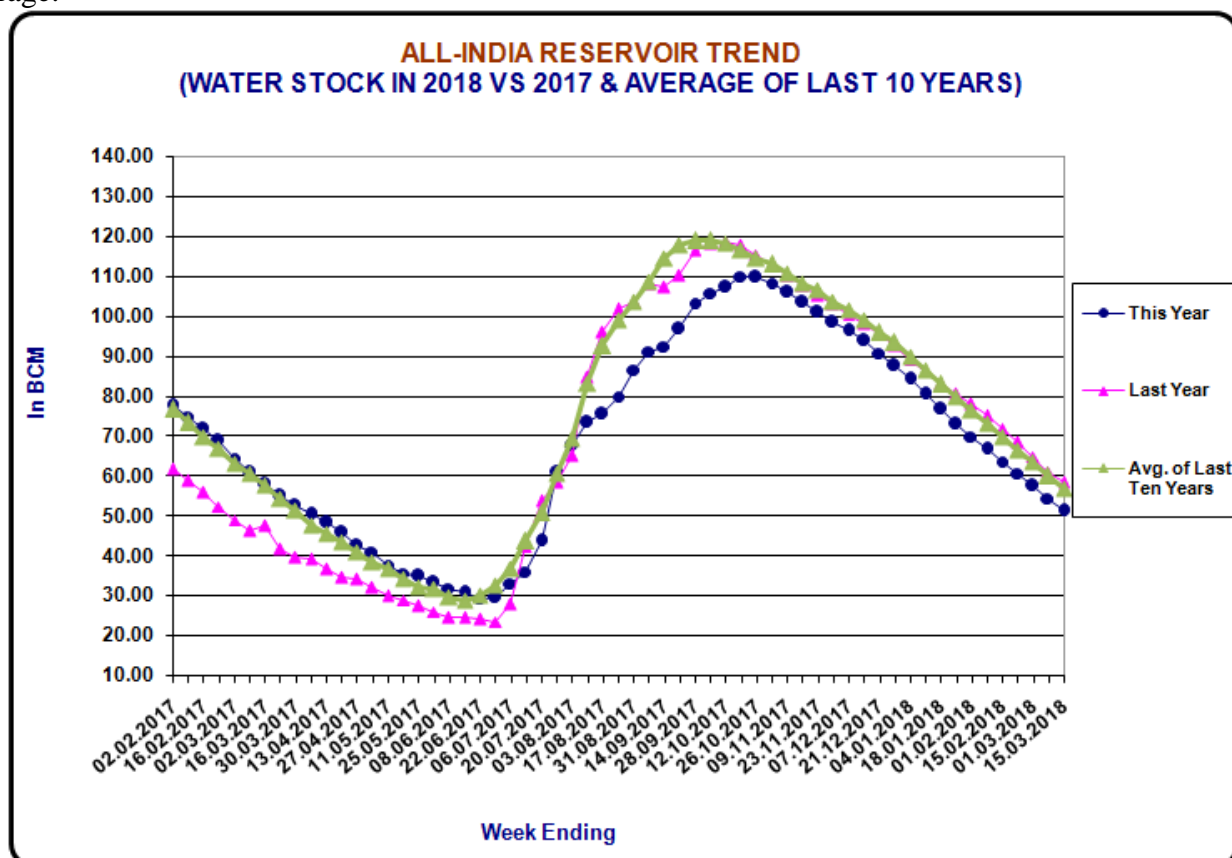
2. Reservoir Status (For the week ending on 15.03.2018)

- 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 51.39 BCM from the previous week's level of 54.39 BCM. Current storage is lower than the last year's position of 58.45 BCM and the average of last 10 year's storage of 56.94 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	32	88	90
Last Week	34	89	91
The percentage to live capacity at FRL was 36% on 15/03/2017, 28% on 15/03/2016, 39% on 12/03/2015 and 46% on 13/03/2014.			
<i>Source: CWC</i>			

There were 57 reservoirs having storage more than 80% of normal storage, 16 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 03 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 15.03.2018)

(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 15.03.2018	15321	4569	1514	5349	2036
Sales upto 15.03.2018	14189	4023	1305	4135	1734
Closing Stock upto 15.03.2018	1132	546	209	1214	302

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

Table: 6.1

Period / Commodities	Weight	Inflation (year on year)		
		Feb-2018	Jan-2018	Feb-2017
All Commodities	100	2.48	2.84	5.51
Primary Articles	22.62	0.79	2.37	4.01
(a) Food Articles	15.26	0.83	3.00	2.55
Cereals	2.82	-2.45	-1.98	9.05
Paddy	1.43	3.28	4.59	8.20
Wheat	1.03	-6.23	-6.94	11.33
Pulses	0.64	-24.51	-30.43	-2.84
Gram	0.26	-32.78	-40.31	37.45
Arhar	0.13	-12.47	-18.34	-35.23
Moong	0.07	-3.34	-6.27	-27.39
Masur	0.05	-21.83	-21.35	-15.11
Urad	0.09	-28.78	-31.50	-20.67
Vegetables	1.87	15.26	40.77	-8.00
Potato	0.28	11.67	8.68	-24.14
Onion	0.16	118.95	193.89	-20.98
Fruits	1.60	6.13	8.49	3.60
Milk	4.44	3.84	3.93	3.12
Egg, Meat & Fish	2.40	-0.22	0.37	0.52
(b) Non-Food Articles	4.12	-2.66	-1.23	4.65
Oilseeds	1.12	7.30	2.00	-1.53
Fuel & Power	13.15	3.81	4.08	25.17

7. All India Crop Situation

Table: 7.1

All India Rabi Crop Situation - 2nd Adv. Est. (2017-18) vis-à-vis Final (2016-17)							
Crop Name	Normal Area	Area sown			Absolute Change over (+/-)		(Area in lakh hectares)
		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 16.03.2018**

Table: 8.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 16.03.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	26.62	25.13
Telangana	15.00	12.23	11.02
Bihar	12.00	5.99	7.73
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	1.00	1.38	1.63
Madhya Pradesh	13.00	10.96	12.97
Maharashtra	4.00	1.54	2.29
Odisha	30.00	23.45	18.82
Punjab	115.00	118.33	110.52
Tamil Nadu	10.00	3.48	1.20
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	23.00	0.23	8.46
All-India	375.00	306.58	307.37

9. **Progressive procurement of Wheat as on 16.03.2018**

Table: 9.1

(lakh tonnes)

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 16.03.2018	
		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