

**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: 26.02.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 23.02.2018.**

**Summary observations of the Group on Agenda Items**

- *In the winter season, at All-India level, the rainfall during the week (15<sup>th</sup> February, 2018 – 21<sup>st</sup> February, 2018) has been 87% 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 100% in Central India, 99% in South Peninsula, 96% in North West India and 55% in East & North East India.*
- *The cumulative rainfall in the country during the winter monsoon season i.e. 01<sup>st</sup> January to 21<sup>st</sup> February, 2018 has been 64% 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 70% in North West India, 62% in East & North East India, 52% in Central India and 34% in South Peninsula.*
- *Out of 36 met sub-divisions, 03 met subdivisions constituting 05% of the total area of the country has received large excess/excess rainfall, 03 met subdivisions constituting 06% of the total area of the country has received normal rainfall, 28 met sub-divisions constituting 84% of the total area of the country has received deficient/large deficient rainfall and 02 met sub-divisions constituting 05% 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 22<sup>nd</sup> February, 2018 has been 60.67 BCM as against 68.56 BCM on 22.02.2017 (last year) and 66.62 BCM of normal (average of the last 10 years) storage. Current year's storage is 88% of last year's storage and also 91% of average of last 10 year's storage.*
- *As per latest information available on sowing of Rabi crops, around 103% of the normal area under Rabi crops has been sown upto 09.02.2018. Area sown under all Rabi crops taken together has been reported 642.88 lakh hectares at All India level as compared to 648.19 lakh hectares in the corresponding period of last year.*
- *As compared to last year, total area coverage this year is higher by 4.6 lakh ha. under Rice, 8.1 lakh ha. under Gram and 1.0 lakh ha. under Moong. Area is lower by 13.6 lakh ha. under Wheat, 1.2 lakh ha. under Jowar and 3.7 lakh ha. under Rapeseed & Mustard.*
- *All-India progressive procurement of Rice as on 23.02.2018 for 2017-18 was higher at 298.37 lakh tonnes against the procurement of 292.57 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 against the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*

**Winter Season (January – February) during the week ending 21<sup>st</sup> February, 2018**

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

- **Rainfall during the week (15<sup>th</sup> February, 2018 to 21<sup>st</sup> February, 2018)** Rainfall was normal in 01 met sub-division, deficient/large deficient in 06 subdivisions and no rain in 29 met subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> January, 2018 to 21<sup>st</sup> February, 2018)** Rainfall was large excess/excess in 03 met sub-divisions, normal in 03 met sub-divisions, deficient/large deficient in 28 met subdivisions and no rain in 02 met subdivisions out of 36 meteorological met sub-divisions.

**Table - 1.2: Weekly and Cumulative Rainfall in four regions of the country<sup>1</sup>**

Region	Week Ending (21.02.2018))				Cumulative (01.01.18 to 21.02.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.5	12.7	-96	LD	19.8	66.9	-70	LD
Central India	0.0	2.0	-100	NR	6.7	14.0	-52	D
South Peninsular India	0.0	2.4	-99	LD	8.5	12.9	-34	D
East & North-East India	4.5	10.0	-55	D	17.2	45.7	-62	LD
Country as a whole	0.9	6.6	-87	LD	12.7	35.4	-64	LD

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: 1<sup>st</sup> Jan., to 21<sup>st</sup> Feb., 2018**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> January to					
	20 FEB 2013	19 FEB 2014	18 FEB 2015	24 FEB 2016	22 FEB 2017	21 FEB 2018
Large Excess	-	-	-	-	03	01
Excess	23	11	13	02	03	02
Normal	05	08	04	03	04	03
<b>Total</b>	<b>28</b>	<b>19</b>	<b>17</b>	<b>05</b>	<b>10</b>	<b>06</b>
Deficient	05	06	12	10	08	07
Large Deficient	-	-	-	-	12	21
Scanty	03	09	07	16	-	-
No rain	00	02	00	05	06	02
<b>Total</b>	<b>08</b>	<b>17</b>	<b>19</b>	<b>31</b>	<b>26</b>	<b>30</b>
Data Inadequate	00	00	00	00	00	00
<b>TOTAL</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>	<b>36</b>
<b>All-India % Rainfall Deviation</b>	<b>19%</b>	<b>6%</b>	<b>(-) 21%</b>	<b>(-) 59%</b>	<b>5%</b>	<b>(-) 64%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 23<sup>rd</sup> Feb. to 27<sup>th</sup> Feb., 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**

<b>METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST &amp; Wx. WARNINGS-2018</b>								
<b>Sr. No</b>	<b>MET.SUB-DIVISIONS</b>	<b>22 FEB</b>	<b>23 FEB</b>	<b>24 FEB</b>	<b>25 FEB</b>	<b>26 FEB</b>	<b>27 FEB</b>	<b>28 FEB</b>
1	ANDAMAN & NICO.ISLANDS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	FWS	SCT	ISOL	ISOL	SCT	ISOL	SCT
3	ASSAM & MEGHALAYA	ISOL	ISOL	D	D	ISOL	D	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	ISOL	D	D	D	D	D	ISOL
5	SUB-HIM.W. BENG. & SIKKIM	ISOL <sup>TS#</sup>	ISOL	ISOL	ISOL	ISOL	D	ISOL
6	GANGETIC WEST BENGAL	D	D	D	D	D	D	D
7	ODISHA	D	D	D	D	D	D	D
8	JHARKHAND	D	D	D	D	D	D	D
9	BIHAR	D	D	D	D	D	D	D
10	EAST UTTAR PRADESH	D	D	ISOL <sup>TS#</sup>	D	D	D	D
11	WEST UTTAR PRADESH	D	D	ISOL <sup>TS#</sup>	D	D	D	D
12	UTTARAKHAND	D	ISOL	FWS <sup>TS#</sup>	ISOL	D	ISOL	ISOL
13	HARYANA CHD. & DELHI	D	D	ISOL <sup>TS#</sup>	D	D	D	D
14	PUNJAB	D	ISOL	SCT <sup>TS#</sup>	D	D	D	D
15	HIMACHAL PRADESH	D	SCT	WS <sup>TS#</sup>	ISOL	D	ISOL	ISOL
16	JAMMU & KASHMIR	ISOL	FWS	WS <sup>TS#</sup>	ISOL	SCT	SCT	ISOL
17	WEST RAJASTHAN	D	ISOL	ISOL <sup>TS#</sup>	D	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	D	D	ISOL <sup>TS#</sup>	D	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	D	D	ISOL <sup>TS#</sup>	ISOL	D	ISOL	ISOL
20	EAST MADHYA PRADESH	D	D	D	D	D	D	ISOL
21	GUJARAT REGION D.D. & N.H.	D	D	D	D	D	ISOL	ISOL
22	SAURASTRA KUTCH & DIU	D	D	D	D	D	ISOL	ISOL
23	KONKAN & GOA	D	D	D	D	D	D	D
24	MADHYA MAHARASHTRA	D	ISOL	ISOL <sup>TS#</sup>	ISOL	D	ISOL	ISOL
25	MARATHAWADA	D	D	ISOL <sup>TS#</sup>	D	D	D	D
26	VIDARBHA	D	D	ISOL <sup>TS#</sup>	D	D	D	ISOL
27	CHHATTISGARH	D	D	D	D	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	ISOL	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL
32	COASTAL KARNATAKA	D	D	D	D	D	ISOL	ISOL
33	NORTH INT.KARNATAKA	D	D	D	D	D	D	D
34	SOUTH INT.KARNATAKA	D	D	D	D	D	ISOL	ISOL
35	KERALA	D	D	D	ISOL	ISOL	ISOL	ISOL
36	LAKSHADWEEP	D	D	D	D	D	ISOL	ISOL
<b>LEGENDS:</b>								
<b>WS</b>	WIDE SPREAD / MOST PLACES (76-100%)			<b>FWS</b>	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)			
<b>SCT</b>	SCATTERED / FEW PLACES (26% to 50%)			<b>ISOL</b>	ISOLATED (up to 25%)		<b>D/DRY</b>	<b>NIL RAINFALL</b>
• 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	23-Feb Today	24Feb Sat	25Feb Sun	26Feb Mon	27Feb Tue
1. Andaman & Nicobar Islands	ISOL	ISOL	ISOL	ISOL	SCT
2. Arunachal Pradesh	SCT	ISOL	ISOL	SCT	ISOL
3. Assam & Meghalaya	ISOL	DRY	DRY	ISOL	ISOL
4. N. M. M. & T.	DRY	DRY	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	ISOL	ISOL	ISOL	ISOL	ISOL
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	ISOL	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	ISOL	DRY	DRY	DRY
12. Uttarakhand	ISOL	FWS	ISOL	DRY	DRY
13. Haryana, Chd & Delhi	DRY	ISOL	DRY	DRY	DRY
14. Punjab	ISOL	SCT	DRY	DRY	DRY
15. Himachal Pradesh	SCT	WS	ISOL	DRY	ISOL
16. Jammu & Kashmir	FWS	WS	ISOL	SCT	SCT
17. West Rajasthan	ISOL	ISOL	DRY	ISOL	ISOL
18. East Rajasthan	DRY	ISOL	DRY	ISOL	ISOL
19. West Madhya Pradesh	DRY	ISOL	ISOL	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	ISOL	ISOL	ISOL	DRY	DRY
25. Marathwada	DRY	ISOL	DRY	DRY	DRY
26. Vidharbha	DRY	ISOL	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	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	ISOL	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	DRY	DRY	ISOL	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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

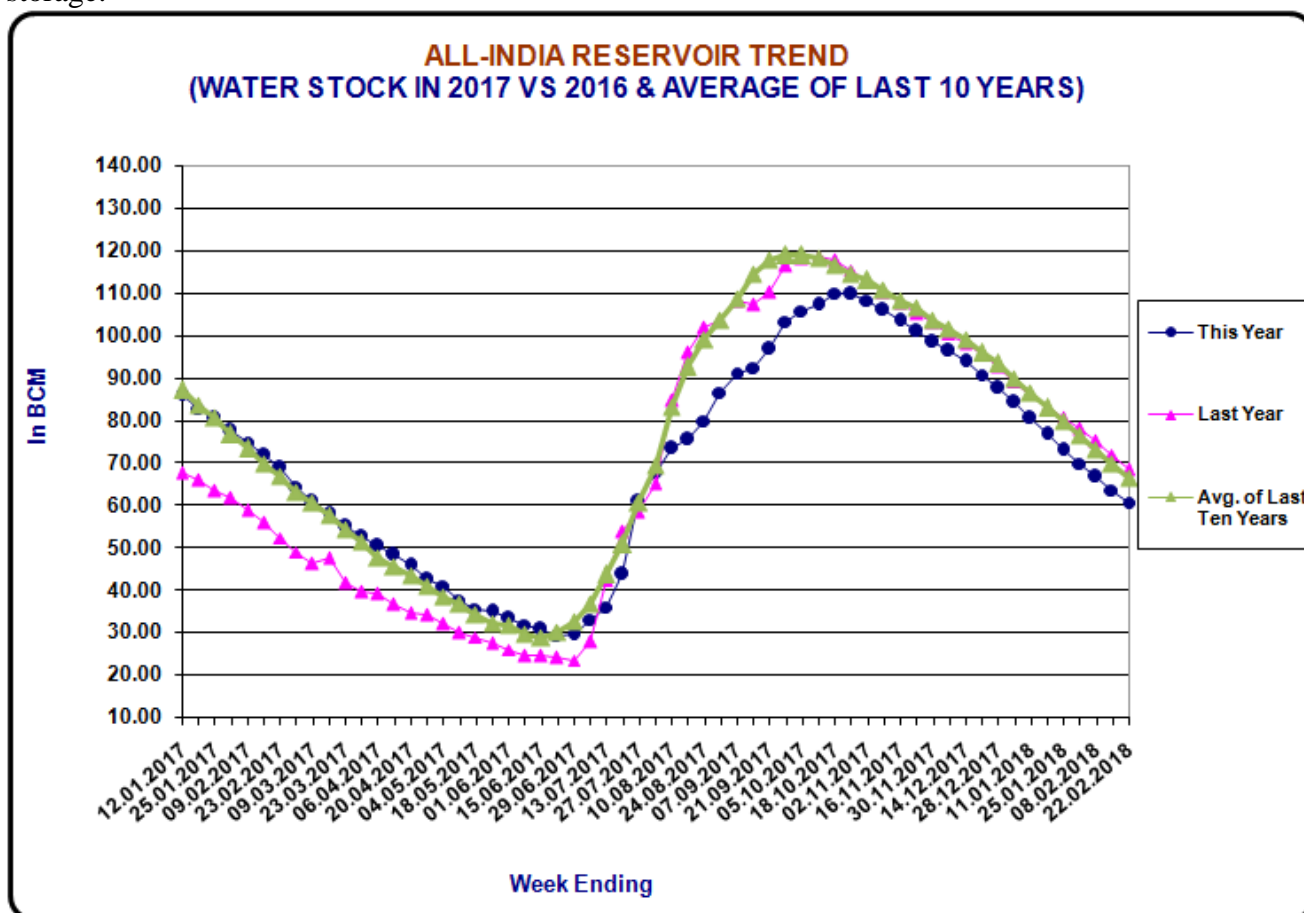
## 2. Reservoir Status (For the week ending on 22.02.2018)

- 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 60.67 BCM from the previous week's level of 63.69 BCM. Current storage is lower than the last year's position of 68.56 BCM and the average of last 10 year's storage of 66.62 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	37	88	91
Last Week	40	88	91
The percentage to live capacity at FRL was 42% on 22/02/2017, 32% on 22/02/2016, 43% on 19/02/2015 and 52% on 20/02/2014.			
<i>Source: CWC</i>			

There were 56 reservoirs having storage more than 80% of normal storage, 19 reservoirs having storage between 50% to 80%, 09 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 22.02.2018)**

*(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	15430	5083	1670	5046	2948
Requirement for February, 2018	1746	441	215	747	376
Availability upto 22.02.2018	13704	4293	1509	4859	1828
Sales upto 22.02.2018	12871	3778	1185	3610	1520
Closing Stock upto 22.02.2018	833	516	324	1249	308

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

### 4. Pest & Diseases:

- Infestation of Yellow rust disease in Wheat variety PBW 2937 at Trace intensity in Hosiyarpur, Gurdaspur and SBS Nagar of Punjab state. Disease in controlled conditions and an advisory has been already issued to Punjab.
- Infestation of Yellow rust disease in wheat at trace intensity in village Chhaproh Block Bangana in Una district of Himachal Pradesh, area infested about 1 acre in small patches. No further infestation has been reported by state department. Disease in controlled conditions and an advisory has been already issued to Himanchal Pradesh.
- In other crops, overall intensity 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 (2017-18) as on 09.02.2018 (Reconciled / Final)

						(Area in lakh hectares)
Crop Name	Normal Area	Area sown			Absolute Change over (+/-)	% Change over
		This Year	% of Normal	Last Year	Last Year	Last Year
Wheat	304.43	304.29	100.0	317.88	-13.6	-4.3
Rice	41.07	31.89	77.7	27.32	4.6	16.7
Jowar	37.52	31.01	82.6	32.20	-1.2	-3.7
Maize	15.73	16.96	107.8	16.55	0.4	2.5
Barley	6.62	7.63	115.3	8.16	-0.5	-6.5
Total Coarse Cereals	59.87	56.73	94.8	57.54	-0.8	-1.4
Total Cereals	405.37	392.91	96.9	402.74	-9.8	-2.4
Gram	86.80	107.63	124.0	99.54	8.1	8.1
Lentil	14.14	17.36	122.7	17.30	0.1	0.3
Peas	8.72	11.92	136.6	11.97	-0.1	-0.5
Kulthi(Horse Gram)	2.20	4.27	194.1	3.78	0.5	12.9
Urad	7.85	9.44	120.2	9.93	-0.5	-4.9
Moong	9.26	8.31	89.7	7.34	1.0	13.3
Lathyrus	4.70	3.91	83.1	4.22	-0.3	-7.4
Others	3.55	6.28	177.0	6.53	-0.3	-3.9
Total Pulses	137.22	169.10	123.2	160.60	8.5	5.3
Total Foodgrains	542.59	562.01	103.6	563.34	-1.3	-0.2
Rapeseed & Mustard	60.89	66.88	109.8	70.60	-3.7	-5.3
Groundnut	8.22	6.39	77.7	6.36	0.0	0.4
Safflower	1.83	0.81	44.4	1.05	-0.2	-23.0
Sunflower	4.33	1.74	40.1	1.71	0.0	1.5
Sesamum	2.97	0.68	22.7	0.70	0.0	-3.4
Linseed	2.92	4.01	137.4	3.84	0.2	4.5
Total Oilseeds (Nine)	81.17	80.87	99.6	84.85	-4.0	-4.7
All- Crops	623.76	642.88	103.1	648.19	-5.3	-0.8

Source: Crops & TMOP Divisions, DAC&FW

7. **Progressive procurement of Rice as on 23.02.2018**

Table: 7.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 23.02.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	24.75	23.16
Telangana	15.00	12.23	11.02
Bihar	12.00	4.15	4.81
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	1.00	1.09	1.42
Madhya Pradesh	13.00	10.96	12.97
Maharashtra	4.00	1.47	2.14
Odisha	30.00	21.99	18.82
Punjab	115.00	118.33	110.52
Tamil Nadu	10.00	1.49	0.64
Uttar Pradesh	37.00	28.34	19.78
Uttarakhand	7.00	0.37	6.48
West Bengal	23.00	0.18	4.13
All-India	375.00	298.37	292.57

8. **Progressive procurement of Wheat as on 23.02.2018**

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 16.02.2018	
		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