

**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: 11.12.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 08.12.2017.**

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

- *In the Post-monsoon season, at All-India level, the rainfall during the week (30<sup>th</sup> November, 2017 – 06<sup>th</sup> December, 2017) has been 62% higher 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 145% in South Peninsula & 8% in Central India but lower than LPA by 99% in East & North East India and 96% in North West India.*
- *The cumulative rainfall in the country during the Post-monsoon season i.e. 01<sup>st</sup> October to 06<sup>th</sup> December, 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 17% in East & North East India and lower than LPA by 91% in North West India and 5% in South Peninsula & Central India each.*
- *Out of 36 met sub-divisions, 08 met subdivisions constituting 18% of the total area of the country has received large excess/ excess rainfall, 12 met subdivisions constituting 28% of the total area of the country has received normal rainfall, 16 met sub-divisions constituting 54% 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 07<sup>th</sup> December, 2017 has been 96.44 BCM as against 100.44 BCM on 07.12.2016 (last year) and 101.72 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 01.12.2017 for 2017-18 was 194.27 lakh tonnes against the procurement of 175.86 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 06<sup>th</sup> December, 2017**

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

- **Rainfall during the week (30<sup>th</sup> November, 2017 to 06<sup>th</sup> December, 2017)** Rainfall was large excess/excess in 10 subdivisions, normal in 01, deficient/large deficient in 10 subdivisions and no rain in 15 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> October, 2017 to 06<sup>th</sup> December, 2017)** Rainfall was large excess/excess in 08, normal in 12, 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 country<sup>1</sup>**

Region	Week Ending (06.12.2017)				Cumulative (01.10.17 to 06.12.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.1	1.8	-96	LD	4.1	43.9	-91	LD
Central India	2.4	2.2	8	N	71.2	75.3	-5	N
South Peninsular India	27.2	11.1	145	LE	239.0	250.7	-5	N
East & North-East India	0.0	2.3	-99	LD	187.1	159.6	17	N
Country as a whole	6.2	3.8	62	LE	102.0	113.8	-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: 1<sup>st</sup> Oct. to 06<sup>th</sup> Dec., 2017**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> October to					
	05 DEC 2012	04 DEC 2013	03 DEC 2014	09 DEC 2015	07 DEC 2016	06 DEC 2017
Large Excess	-	-	-	-	03	01
Excess	03	18	01	06	01	07
Normal	12	07	10	04	08	12
<b>Total</b>	<b>15</b>	<b>25</b>	<b>11</b>	<b>10</b>	<b>12</b>	<b>20</b>
Deficient	08	11	10	08	10	04
Large Deficient	-	-	-	-	14	12
Scanty	13	00	15	18	-	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>21</b>	<b>11</b>	<b>25</b>	<b>26</b>	<b>24</b>	<b>16</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>29%</b>	<b>(-) 34%</b>	<b>(-) 21%</b>	<b>(-) 44%</b>	<b>(-) 10%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 08<sup>th</sup> Dec. to 12<sup>th</sup> Dec., 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**

<b>METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST &amp; Wx. WARNINGS-2017</b>								
<b>Sr. No</b>	<b>MET.SUB-DIVISIONS</b>	<b>07 DEC</b>	<b>08 DEC</b>	<b>09 DEC</b>	<b>10 DEC</b>	<b>11 DEC</b>	<b>12 DEC</b>	<b>13 DEC</b>
1	ANDAMAN & NICO.ISLANDS	FWS	FWS	FWS	SCT	SCT	SCT	SCT*
2	ARUNACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
3	ASSAM & MEGHALAYA	DRY*	ISOL*	ISOL	ISOL	ISOL	ISOL	DRY
4	NAGA.MANI.MIZO.& TRIPURA	ISOL	SCT*	SCT*	SCT	ISOL	ISOL	DRY
5	SUB-HIM.W. BENG. & SIKKIM	DRY	DRY	ISOL	ISOL	ISOL	DRY	ISOL
6	GANGETIC WEST BENGAL	ISOL	SCT*	SCT	SCT	ISOL	DRY	ISOL
7	ODISHA	ISOL	SCT*	FWS*	SCT*	ISOL	ISOL	ISOL
8	JHARKHAND	DRY	ISOL	ISOL	ISOL	DRY	DRY	ISOL
9	BIHAR	DRY	DRY	DRY	DRY	DRY	DRY	ISOL
10	EAST UTTAR PRADESH	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	DRY	DRY	DRY	DRY	SCT	SCT	ISOL
12	UTTARAKHAND	ISOL	DRY	DRY	DRY	FWS	SCT	ISOL
13	HARYANA CHD. & DELHI	DRY	DRY	DRY	DRY	FWS	SCT	ISOL
14	PUNJAB	DRY	DRY	DRY	ISOL	FWS	FWS	ISOL
15	HIMACHAL PRADESH	ISOL	DRY	DRY	DRY	WS	FWS*	SCT
16	JAMMU & KASHMIR	ISOL	ISOL	DRY	ISOL	WS*	FWS*	SCT
17	WEST RAJASTHAN	DRY	DRY	DRY	ISOL	WS	ISOL	DRY
18	EAST RAJASTHAN	DRY	DRY	DRY	DRY	FWS	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	DRY	DRY	DRY	ISOL	ISOL	DRY
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
21	GUJARAT REGION D.D. & N.H.	ISOL	DRY	DRY	DRY	ISOL	DRY	DRY
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
23	KONKAN & GOA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
27	CHHATTISGARH	DRY	ISOL	ISOL	ISOL	DRY	DRY	ISOL
28	COASTAL ANDHRA PRADESH	DRY	SCT*	SCT*	ISOL	ISOL	ISOL	ISOL
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
30	RAYALASEEMA	DRY	DRY	DRY	DRY	DRY	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INT.KARNATAKA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
34	SOUTH INT.KARNATAKA	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
35	KERALA	ISOL	ISOL	ISOL	ISOL	ISOL	SCT*	SCT
36	LAKSHADWEEP	DRY	DRY	DRY	ISOL	ISOL	ISOL	ISOL
<b>LEGENDS:</b>								
<b>WS</b>	<b>WIDE SPREAD / MOST PLACES (76-100%)</b>	<b>FWS</b>	<b>FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)</b>					
<b>SCT</b>	<b>SCATTERED / FEW PLACES (26% to 50%)</b>	<b>ISOL</b>	<b>ISOLATED (up to 25%)</b>			<b>DRY</b>	<b>NO STATION REPORTED 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	08-Dec Today	09Dec Sat	10Dec Sun	11Dec Mon	12Dec Tue
1. Andaman & Nicobar Islands	FWS	FWS	SCT	SCT	SCT
2. Arunachal Pradesh	DRY	DRY	DRY	DRY	DRY
3. Assam & Meghalaya	ISOL	SCT	SCT	ISOL	ISOL
4. N. M. M. & T.	SCT	FWS	FWS	ISOL	ISOL
5. S.H. West Bengal & Sikkim	DRY	DRY	ISOL	ISOL	ISOL
6. Gangetic West Bengal	SCT	SCT	SCT	ISOL	ISOL
7. Odisha	FWS	FWS	SCT	ISOL	ISOL
8. Jharkhand	ISOL	ISOL	ISOL	DRY	DRY
9. Bihar	DRY	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	DRY	DRY	DRY	ISOL	ISOL
11. West Uttar Pradesh	DRY	DRY	ISOL	SCT	SCT
12. Uttarakhand	DRY	DRY	DRY	FWS	FWS
13. Haryana, Chd & Delhi	DRY	DRY	DRY	FWS	FWS
14. Punjab	DRY	DRY	ISOL	FWS	FWS
15. Himachal Pradesh	DRY	DRY	DRY	WS	WS
16. Jammu & Kashmir	ISOL	DRY	ISOL	WS	WS
17. West Rajsthan	DRY	DRY	ISOL	WS	FWS
18. East Rajasthan	DRY	DRY	DRY	FWS	FWS
19. West Madhya Pradesh	DRY	DRY	DRY	ISOL	ISOL
20. East Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	ISOL	ISOL
22. Saurashtra & Kutch	DRY	DRY	ISOL	ISOL	ISOL
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	ISOL	ISOL	ISOL	DRY	DRY
28. Coastal Andhra Pradesh	SCT	SCT	ISOL	ISOL	ISOL
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	ISOL	ISOL	ISOL	ISOL	ISOL
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	DRY	ISOL	ISOL	ISOL
35. Kerala	ISOL	ISOL	ISOL	ISOL	ISOL
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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

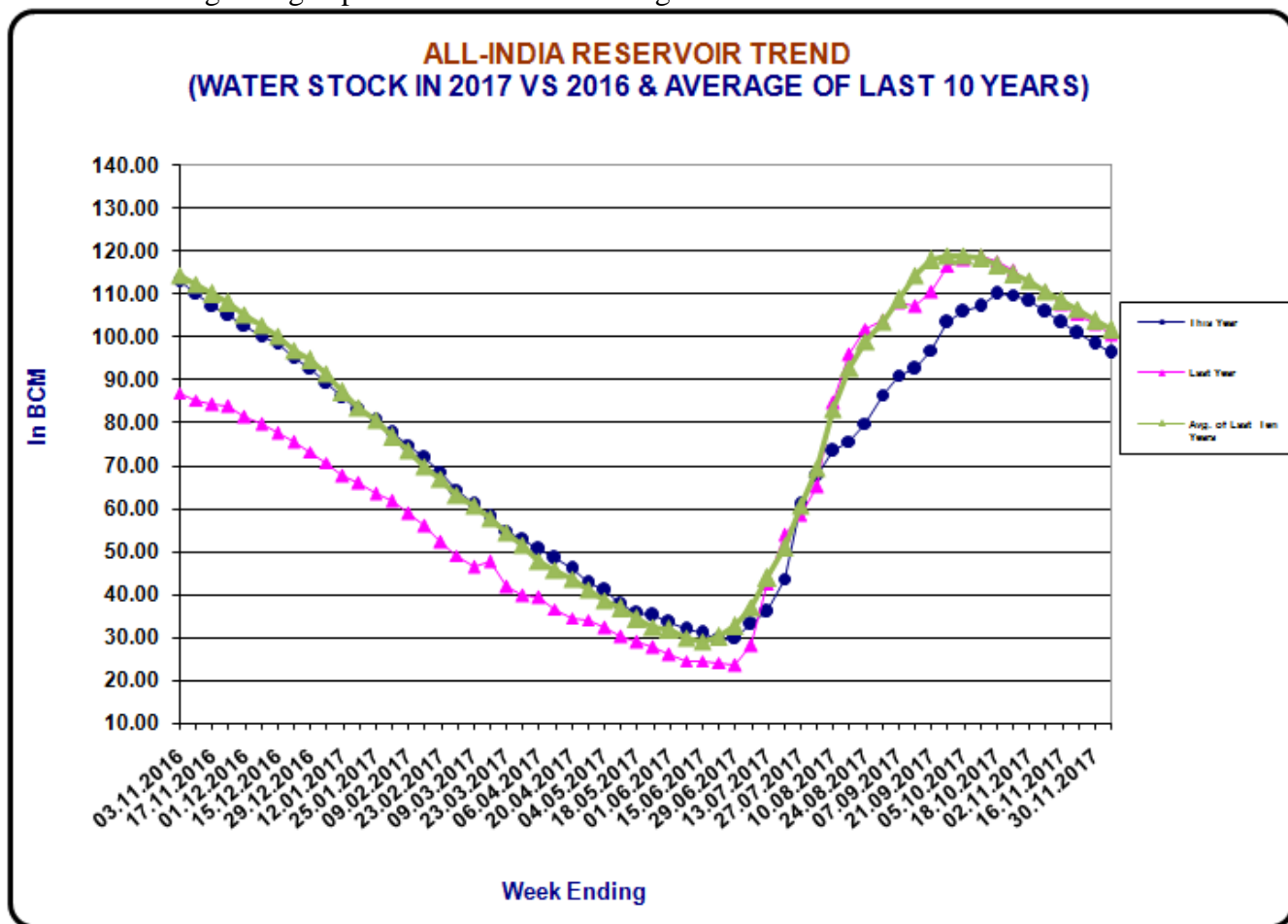
## 2. Reservoir Status (For the week ending on 07.12.2017)

- **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 of 253.39 BCM in the country.
- Water stock in 91 major reservoirs decreased to 96.44 BCM from the previous week's level of 98.58 BCM. Current storage is lower than the last year's position of 100.44 BCM and the average of last 10 year's storage of 101.72 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	61	96	95
Last Week	62	96	95
The percentage to live capacity at FRL was 64% on 07/12/2016, 51% on 07/12/2015, 65% on 07/12/2014 and 76% on 07/12/2013.			
<i>Source: CWC</i>			

There were 68 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 50% to 80%, 05 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 08.12.2017)**

*(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 December, 2017	3403	903	306	964	533
Availability upto 08.12.2017	6729	3267	894	2843	1112
Sales upto 08.12.2017	5417	2739	581	1604	820
Closing Stock upto 08.12.2017	1312	528	313	1239	292

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

### 4. Pest & Diseases:

- Nagpur reported Pink bollworm on Cotton and Tur pod borer incidence to be above ETL at Nagpur, Amravati, Akola, Jalna and Aurangabad districts of Maharashtra.
- Trichy reported Basal rot incidence in Onion to be between Traces to Moderate at Alathur village, Perambalur district of Tamil Nadu.
- Indore reported Pink bollworm incidence in Moderate intensity on cotton crop which is at maturity stage at Indore, Dhar, Khargone Districts of Madhya 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

<b>All India Crop Situation - Rabi (2017-18) as on 08-12-2017</b>						(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	190.87	62.7	203.56	-12.7	-6.2
Rice	41.07	11.87	28.9	8.98	2.9	32.2
Jowar	37.52	27.61	73.6	28.82	-1.2	-4.2
Maize	15.73	9.95	63.3	8.87	1.1	12.2
Barley	6.62	5.88	88.8	6.02	-0.1	-2.3
Total Coarse Cereals	59.87	44.14	73.7	44.05	0.1	0.2
Total Cereals	405.37	246.88	60.9	256.59	-9.7	-3.8
Gram	86.80	89.58	103.2	81.25	8.3	10.2
Lentil	14.14	14.84	104.9	13.98	0.9	6.1
Peas	8.72	7.90	90.6	8.36	-0.5	-5.5
Kulthi(Horse Gram)	2.20	3.53	160.5	2.89	0.6	22.0
Urad	7.85	3.62	46.0	4.12	-0.5	-12.3
Moong	9.26	1.24	13.4	1.64	-0.4	-24.3
Lathyrus	4.70	3.28	69.7	3.51	-0.2	-6.6
Others	3.55	3.64	102.8	3.97	-0.3	-8.3
Total Pulses	137.22	127.62	93.0	119.73	7.9	6.6
Total Foodgrains	542.59	374.50	69.0	376.32	-1.8	-0.5
Rapeseed & Mustard	60.89	59.36	97.5	64.21	-4.8	-7.5
Groundnut	8.22	3.21	39.0	3.13	0.1	2.3
Safflower	1.83	0.64	34.8	0.79	-0.2	-19.5
Sunflower	4.33	1.21	28.0	1.17	0.0	3.2
Sesamum	2.97	0.22	7.5	0.19	0.0	16.2
Linseed	2.92	2.96	101.2	2.28	0.7	29.4
Total Oilseeds (Nine)	81.17	67.79	83.5	72.16	-4.4	-6.1
<b>All- Crops</b>	<b>623.76</b>	<b>442.29</b>	<b>70.9</b>	<b>448.48</b>	<b>-6.2</b>	<b>-1.4</b>

Source: Crops & TMOP Divisions, DAC&FW

Rabi sowing delayed in certain parts due to weather conditions and late kharif harvest.

6. Progressive procurement of Rice as on 08.12.2017 (lakh tonnes)

Table: 6.1

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 08.12.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	4.26	2.84
Telangana	15.00	9.22	6.34
Bihar	12.00	-	-
Chhattisgarh	48.00	9.63	12.04
Haryana	30.00	39.67	35.70
Kerala	1.00	0.76	1.06
Madhya Pradesh	13.00	2.07	1.95
Maharashtra	4.00	0.49	0.57
Odisha	30.00	-	-
Punjab	115.00	117.94	110.30
Tamil Nadu	10.00	-	0.08
Uttar Pradesh	37.00	9.73	2.51
Uttarakhand	7.00	0.27	2.28
West Bengal	23.00	-	-
All-India	375.00	194.27	175.86

7. Progressive procurement of Wheat as on 08.12.2017 (lakh tonnes)

Table: 7.1

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 08.12.2017	
		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