

**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: 16.04.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 13.04.2018.**

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

- *In the pre monsoon season, at All-India level, the rainfall during the week (05<sup>th</sup> April, 2018 – 11<sup>th</sup> April, 2018) has been 52% 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 176% in Central India, 131% in North West India, 28% in South Peninsula but lower than LPA by 12% in East & North East India.*
- *The cumulative rainfall in the country during the pre monsoon season i.e. 01<sup>st</sup> March to 11<sup>th</sup> April, 2018 has been 31% 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 55% in South Peninsula but lower than LPA by 42% in North West India, 38% in East & North East India and 33% in Central India.*
- *Out of 36 met sub-divisions, 09 met subdivision constituting 16% of the total area of the country has received large excess/excess rainfall, 06 met sub-divisions constituting 15% of the total area of the country has received normal rainfall, 19 met subdivisions constituting 63% 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 12<sup>th</sup> April, 2018 has been 40.86 BCM as against 48.44 BCM on 12.04.2017 (last year) and 45.53 BCM of normal (average of the last 10 years) storage. Current year's storage is 84% of last year's storage and also 90% of average of last 10 year's storage.*
- *As per 2<sup>nd</sup> 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 (2<sup>nd</sup> 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 13.04.2018 for 2017-18 was at 315.99 lakh tonnes against the procurement of 327.03 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 38.73 lakh tonnes which was lower than the procurement of 49.85 lakh tonnes in the corresponding period of RMS 2017-18.*

**Pre Monsoon Season (March – May) during the week ending 11<sup>th</sup> April, 2018**

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

- **Rainfall during the week (05<sup>th</sup> March, 2018 to 11<sup>th</sup> April, 2018)** Rainfall was large excess/excess in 23 met sub-divisions, normal in 02 met sub-division, deficient/large deficient in 09 subdivisions and no rain in 02 met subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> March, 2018 to 11<sup>th</sup> April, 2018)** Rainfall was large excess/excess in 09, normal in 06 met sub-divisions, deficient/large deficient in 19 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 country<sup>1</sup>**

Region	Week Ending (11.04.2018)				Cumulative (01.03.18 to 11.04.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	16.6	7.2	131	LE	34.7	59.5	-42	D
Central India	5.5	2.0	176	LE	8.7	13.0	-33	D
South Peninsular India	7.5	5.9	28	E	31.6	20.4	55	E
East & North-East India	20.3	23.0	-12	N	63.7	103.4	-38	D
Country as a whole	11.7	7.7	52	E	29.9	43.3	-31	D

E : 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> March, to 11<sup>th</sup> April, 2018**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> March to					
	10 APR 2013	09 APR 2014	08 APR 2015	13 APR 2016	12 APR 2017	11 APR 2018
Large Excess	-	-	-	-	05	08
Excess	05	15	27	09	05	01
Normal	05	06	04	10	10	06
<b>Total</b>	<b>10</b>	<b>21</b>	<b>31</b>	<b>19</b>	<b>20</b>	<b>15</b>
Deficient	07	09	02	09	07	13
Large Deficient	-	-	-	-	07	06
Scanty	16	06	03	08	-	-
No rain	03	00	00	00	02	02
<b>Total</b>	<b>26</b>	<b>15</b>	<b>05</b>	<b>17</b>	<b>16</b>	<b>21</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>(-) 54%</b>	<b>5%</b>	<b>103%</b>	<b>(-) 4%</b>	<b>11%</b>	<b>(-) 31%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 13<sup>th</sup> April to 17<sup>th</sup> 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**

<b>METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST &amp; Wx. WARNINGS-2018</b>								
<b>Sr. No</b>	<b>MET.SUB-DIVISIONS</b>	<b>12 APR</b>	<b>13 APR</b>	<b>14 APR</b>	<b>15 APR</b>	<b>16 APR</b>	<b>17 APR</b>	<b>18 APR</b>
1	ANDAMAN & NICO.ISLANDS	ISOL	ISOL	D	D	ISOL	ISOL	ISOL
2	ARUNACHAL PRADESH	WS*	WS*	FWS	SCT	FWS	SCT	SCT
3	ASSAM & MEGHALAYA	WS* <sup>TS</sup> \$ #	WS* <sup>TS</sup> \$ #	SCT <sup>TS</sup> \$	SCT	SCT	FWS	WS
4	NAGA.MANI.MIZO.& TRIPURA	FWS <sup>TS</sup> \$	FWS <sup>TS</sup> \$	FWS	SCT	SCT	SCT	FWS
5	SUB-HIM.W. BENG. & SIKKIM	FWS <sup>TS</sup> \$	SCT <sup>TS</sup> \$	SCT	SCT	FWS	SCT	SCT
6	GANGETIC WEST BENGAL	SCT <sup>TS</sup>	ISOL <sup>TS</sup> \$	ISOL	ISOL	ISOL	D	ISOL
7	ODISHA	SCT <sup>TS</sup> \$	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	D	ISOL
8	JHARKHAND	SCT <sup>TS</sup> \$	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	D	ISOL
9	BIHAR	ISOL <sup>TS</sup>	ISOL	ISOL	D	D	D	ISOL
10	EAST UTTAR PRADESH	ISOL <sup>TS</sup>	D	D	D	D	D	ISOL
11	WEST UTTAR PRADESH	SCT <sup>TS</sup>	D	D	D	D	D	ISOL
12	UTTARAKHAND	ISOL	D	D	D	ISOL	ISOL	SCT
13	HARYANA CHD. & DELHI	ISOL	D	D	D	ISOL	ISOL	ISOL
14	PUNJAB	D	D	D	D	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	D	D	ISOL	SCT <sup>TS</sup> \$	FWS	FWS
16	JAMMU & KASHMIR	ISOL	D	D	ISOL	FWS <sup>TS</sup> \$	WS	FWS
17	WEST RAJASTHAN	D	D	D	ISOL	ISOL	ISOL	D
18	EAST RAJASTHAN	ISOL <sup>TS</sup>	D	D	D	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	D	ISOL	ISOL	D	D	ISOL
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	D	D	ISOL
21	GUJARAT REGION D.D. & N.H.	ISOL	D	D	D	D	D	D
22	SAURASTRA KUTCH & DIU	ISOL	D	D	D	D	D	D
23	KONKAN & GOA	D	D	D	ISOL	ISOL	D	D
24	MADHYA MAHARASHTRA	ISOL	D	D	ISOL	ISOL	D	D
25	MARATHAWADA	D	D	D	D	ISOL	D	D
26	VIDARBHA	ISOL	ISOL	ISOL	D	D	D	D
27	CHHATTISGARH	ISOL	ISOL	ISOL	ISOL	D	D	D
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	D
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	ISOL	D	D
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	D	D
31	TAMILNADU & PUDUCHERRY	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	D	ISOL
32	COASTAL KARNATAKA	ISOL <sup>TS</sup>	SCT <sup>TS</sup>	SCT <sup>TS</sup>	ISOL	ISOL	ISOL	ISOL
33	NORTH INT.KARNATAKA	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	SCT	ISOL	ISOL
34	SOUTH INT.KARNATAKA	SCT <sup>TS</sup>	SCT <sup>TS</sup>	FWS <sup>TS</sup>	ISOL	ISOL	ISOL	ISOL
35	KERALA	SCT <sup>TS</sup>	SCT <sup>TS</sup>	FWS <sup>TS</sup>	ISOL	ISOL	ISOL	ISOL
36	LAKSHADWEEP	SCT	SCT	SCT	ISOL	ISOL	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 (+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	13-Apr Today	14Apr Sat	15Apr Sun	16Apr Mon	17Apr Tue
1. Andaman & Nicobar Islands	ISOL	DRY	DRY	ISOL	ISOL
2. Arunachal Pradesh	WS	FWS	SCT	FWS	FWS
3. Assam & Meghalaya	WS	SCT	SCT	SCT	SCT
4. N. M. M. & T.	FWS	FWS	SCT	SCT	SCT
5. S.H. West Bengal & Sikkim	SCT	SCT	SCT	FWS	FWS
6. Gangetic West Bengal	ISOL	ISOL	ISOL	ISOL	ISOL
7. Odisha	ISOL	ISOL	ISOL	ISOL	ISOL
8. Jharkhand	ISOL	ISOL	ISOL	ISOL	ISOL
9. Bihar	ISOL	ISOL	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	ISOL	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	ISOL	ISOL
14. Punjab	DRY	DRY	DRY	ISOL	ISOL
15. Himachal Pradesh	DRY	DRY	ISOL	SCT	SCT
16. Jammu & Kashmir	DRY	DRY	ISOL	FWS	FWS
17. West Rajsthan	DRY	DRY	ISOL	ISOL	ISOL
18. East Rajasthan	DRY	DRY	DRY	ISOL	ISOL
19. West Madhya Pradesh	DRY	ISOL	ISOL	DRY	DRY
20. East Madhya Pradesh	ISOL	ISOL	ISOL	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	DRY	DRY	ISOL	ISOL	ISOL
24. Madhya Maharashtra	DRY	DRY	ISOL	ISOL	ISOL
25. Marathawada	DRY	DRY	DRY	ISOL	ISOL
26. Vidharbha	ISOL	ISOL	DRY	DRY	DRY
27. Chhattisgarh	ISOL	ISOL	ISOL	DRY	DRY
28. Coastal Andhra Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
29. Telangana	ISOL	ISOL	ISOL	ISOL	ISOL
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	SCT	SCT	ISOL	ISOL	ISOL
33. North Interior Karnataka	ISOL	ISOL	ISOL	SCT	SCT
34. South Interior Karnataka	SCT	FWS	ISOL	ISOL	ISOL
35. Kerala	SCT	FWS	ISOL	ISOL	ISOL
36. Lakshadweep	SCT	SCT	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		

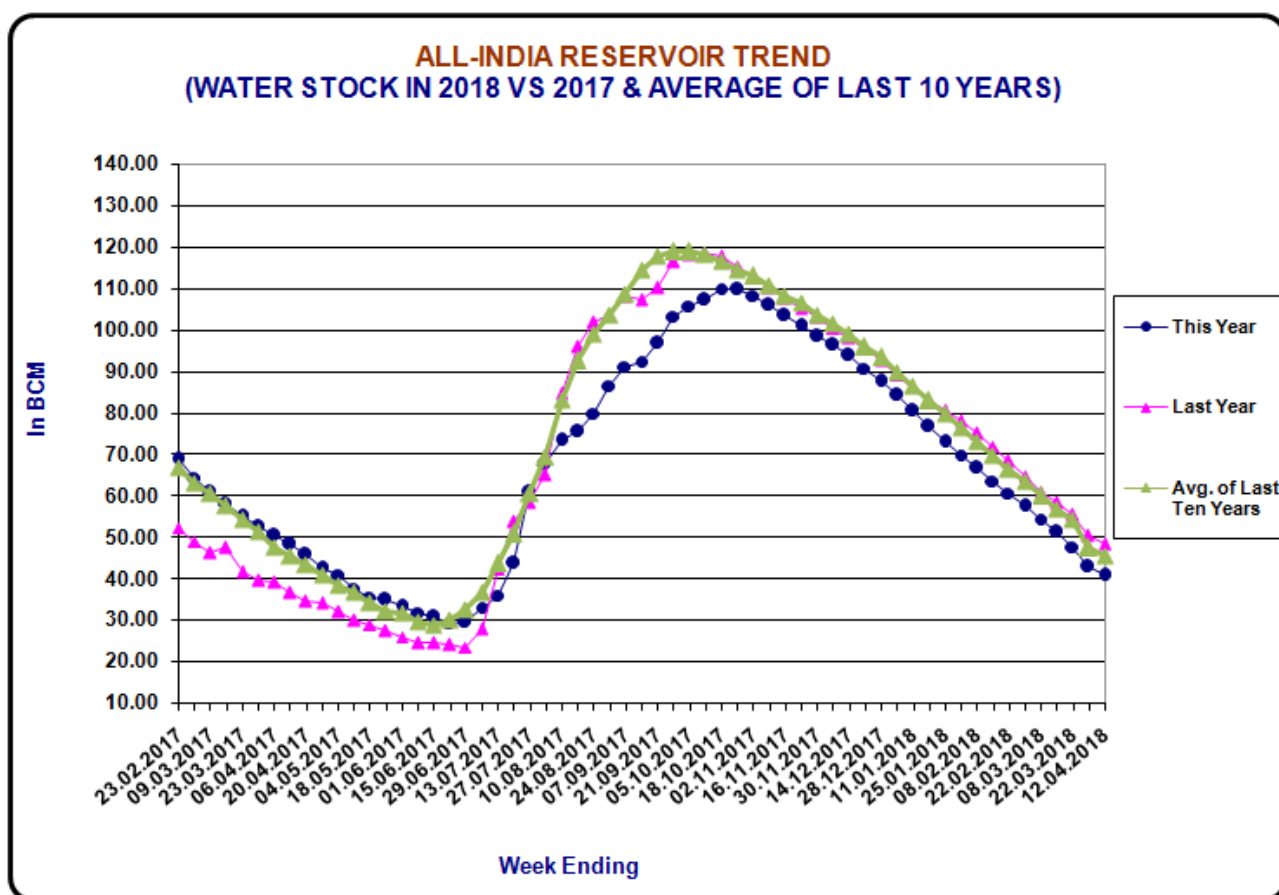
## 2. Reservoir Status (For the week ending on 12.04.2018)

- **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 40.86 BCM from the previous week's level of 42.99 BCM. Current storage is lower than the last year's position of 48.44 BCM and the average of last 10 year's storage of 45.53 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	25	84	90
Last Week	27	85	90
The percentage to live capacity at FRL was 30% on 12/04/2017, 23% on 12/04/2016, 33% on 09/04/2015 and 38% on 09/04/2014.			
<i>Source: CWC</i>			

There were 52 reservoirs having storage more than 80% of normal storage, 21 reservoirs having storage between 50% to 80%, 10 reservoir having storage between 30% to 50%, 08 reservoirs having storage upto 30% of Normal Storage and 04 reservoir having no live storage.



### 3. Fertilizer Position:

**Table – 3.1: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Kharif 2018 (As on 12.04.2018)**

*(in '000 Tonnes)*

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1011	201	89	736	161
Requirement for Kharif, 2018	14890	4918	2025	4973	2625
Requirement for April, 2018	1715	597	214	511	302
Availability upto 12.04.2018	1716	303	116	857	222
Sales upto 12.04.2018	324	21	16	27	45
Closing Stock upto 12.04.2018	1392	282	100	830	288

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

### 4. Pest & Diseases:

- Incidence of Mango Hopper was observed in about 25 hectares in patches at Low to Moderate level in Garuana and Miriya villages in Laxmanpur and Kunda block of Pratapgarh district in Uttar Pradesh.
- 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

<b>All India Rabi Crop Situation - 2nd Adv. Est. (2017-18) vis-à-vis Final (2016-17)</b>						
(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 13.04.2018

Table: 7.1

(lakh tonnes)

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 13.04.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	28.27	25.92
Telangana	34.00	12.45	11.14
Bihar	12.00	7.96	12.34
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.67	35.70
Kerala	2.32	2.37	2.47
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.61	2.44
Odisha	37.00	25.05	25.09
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	6.00	1.40
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.33	14.51
All-India	430.00	315.99	327.03

8. Progressive procurement of Wheat as on 13.04.2018

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 13.04.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Gujarat	0.50	0.14	0.01
Haryana	74.00	12.49	20.99
Madhya Pradesh	67.00	21.06	22.57
Punjab	119.00	0.80	5.32
Rajasthan	16.00	1.71	0.75
Uttar Pradesh	40.00	2.50	0.18
Uttrakhand	1.00	0.01	0.01
All-India	320.00	38.73	49.85