

**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: 01.08.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 28.07.2017.**

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

- *In the monsoon season, at All-India level, the rainfall during the week (20<sup>th</sup> July, 2017 – 26<sup>th</sup> July, 2017) has been 22% 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 48% in East & North East India, 35% in Central India and 29% in North West India but lower than LPA by 56% in South Peninsula.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01<sup>st</sup> June to 26<sup>th</sup> July, 2017 has been 5% 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 20% in North West India and 13% in Central India but lower than LPA by 14% in South Peninsula and 5% in East & North East India.*
- *Out of 36 met sub-divisions, 02 met subdivision constituting 09% of the total area of the country has received large excess, 05 met subdivisions constituting 20% of the total area of the country has received excess rainfall, 26 met sub-divisions constituting 63% of the total area of the country has received normal rainfall and 03 met sub-divisions constituting 8% of the total area of the country has received deficient rains.*
- *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 27<sup>th</sup> July, 2017 has been 60.91 BCM as against 58.57 BCM on 27.07.2016 (last year) and 60.67 BCM of normal (average of the last 10 years) storage. Current year's storage is 104% of last year's storage and 100% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 75% of the normal area under Kharif crops has been sown upto 28.07.2017. Area sown under all Kharif crops taken together has been reported to be 791.34 lakh hectares at All India level as compared to 765.79 lakh hectares in the corresponding period of last year.*

- *As compared to normal area as on date, total area coverage this year is higher by 9.6 lakh ha. under Bajra, 2.4 lakh ha. under Maize, 4.5 lakh ha. under Tur, 14.9 lakh ha. under Urad, 8.8 lakh ha. under Moong, 1.9 lakh ha. under Groundnut, 10.0 lakh ha. under Cotton and lower by 8.9 lakh ha. under Rice, 2.1 lakh ha. under Jowar, 7.5 lakh ha. under Soyabean.*
- *All-India progressive procurement of Rice as on 28.07.2017 for 2016-17 was 386.82 lakh tonnes against the procurement of 340.96 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 308.01 lakh tonnes against the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

**1. Monsoon Season (June – September) during the week ending on 26<sup>th</sup> July, 2017**

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

- **Rainfall during the week (20<sup>th</sup> July, 2017 to 26<sup>th</sup> July, 2017)** Rainfall was large excess/excess in 09 subdivision, normal in 09 and deficient/large deficient in 18 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June, 2017 to 26<sup>th</sup> July, 2017)** Rainfall was large excess/excess in 07, normal in 26 and deficient in 03 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 (26.07.2017)				Cumulative (01.06.17 to 26.07.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	69.6	54.0	29	E	300.0	249.7	20	E
Central India	100.1	74.4	35	E	488.6	434.2	13	N
South Peninsular India	23.6	54.0	-56	D	296.2	344.5	-14	N
East & North-East India	140.2	94.5	48	E	685.8	721.6	-5	N
Country as a whole	82.1	67.2	22	E	424.2	405.6	5	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> June to 26<sup>th</sup> July, 2017**

No. of Sub-Divisions with rainfall	<i>For the period from 1<sup>st</sup> June to 26<sup>th</sup> July, 2017</i>					
	25 JUL 2012	24 JUL 2013	23 JUL 2014	29 JUL 2015	27 JUL 2016	26 JUL 2017
Large Excess	-	-	-	-	-	02
Excess	01	18	00	06	11	05
Normal	13	11	14	20	17	26
<b>Total</b>	<b>14</b>	<b>29</b>	<b>14</b>	<b>26</b>	<b>28</b>	<b>33</b>
Deficient	18	07	19	10	08	03
Large Deficient	-	-	-	-	-	-
Scanty	04	00	03	00	00	00
No rain	00	00	00	00	00	00
<b>Total</b>	<b>22</b>	<b>07</b>	<b>22</b>	<b>10</b>	<b>08</b>	<b>03</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>(-) 22%</b>	<b>16%</b>	<b>(-) 25%</b>	<b>(-) 3%</b>	<b>0%</b>	<b>5%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 31<sup>st</sup> July, 2017 to 04<sup>th</sup> Aug., 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, 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 DISTRIBUTION OF REALISED RAINFALL -2017</b>								
<b>Sr.No</b>	<b>MET.SUB-DIVISIONS</b>	<b>20 JULY</b>	<b>21 JULY</b>	<b>22 JULY</b>	<b>23 JULY</b>	<b>24 JULY</b>	<b>25 JULY</b>	<b>26 JULY</b>
1	ANDAMAN & NICO.ISLANDS	SCT	FWS	FWS	ISOL	SCT	WS	FWS
2	ARUNACHAL PRADESH	FWS	FWS*	SCT	FWS	FWS	FWS	SCT
3	ASSAM & MEGHALAYA	FWS	SCT	SCT	FWS	FWS	SCT	FWS
4	NAGA.MANI.MIZO.& TRIPURA	WS*	FWS*	WS	FWS	WS*	FWS*	FWS
5	SUB-HIM.W. BENG. & SIKKIM	FWS	WS	WS	WS	WS	FWS	WS
6	GANGETIC WEST BENGAL	WS*	WS*	WS*	WS**	WS**	WS**	WS*
7	ODISHA	WS	SCT	SCT	FWS*	WS*	FWS	FWS
8	JHARKHAND	WS*	WS*	WS	WS*	WS**	WS**	WS**
9	BIHAR	FWS	FWS	FWS	FWS	FWS	FWS	FWS
10	EAST UTTAR PRADESH	SCT	FWS	WS	FWS	FWS	WS*	FWS
11	WEST UTTAR PRADESH	SCT	SCT	SCT	FWS	FWS	SCT	SCT
12	UTTARAKHAND	WS	SCT	WS*	WS	FWS	WS	WS
13	HARYANA CHD. & DELHI	FWS*	ISOL	ISOL	WS	SCT	SCT	ISOL
14	PUNJAB	ISOL	ISOL	ISOL	ISOL	SCT	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	SCT	FWS	FWS*	WS	FWS	FWS
16	JAMMU & KASHMIR	ISOL	ISOL	ISOL	SCT	SCT	FWS	SCT
17	WEST RAJASTHAN	SCT	FWS*	SCT	FWS**	FWS**	FWS**	SCT
18	EAST RAJASTHAN	FWS	WS*	WS*	WS*	WS**	FWS*	SCT
19	WEST MADHYA PRADESH	WS	WS*	WS*	WS*	FWS	FWS	WS
20	EAST MADHYA PRADESH	WS	WS*	WS	WS	FWS	FWS	FWS
21	GUJARAT REGION D.D. & N.H.	FWS	WS*	WS*	WS**	WS**	WS**	WS*
22	SAURASTRA KUTCH & DIU	FWS*	FWS*	WS**	WS**	FWS	SCT	ISOL
23	KONKAN & GOA	WS*	WS*	WS*	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	WS*	WS*	FWS*	FWS*	FWS*	FWS	SCT
25	MARATHAWADA	FWS*	SCT	ISOL	ISOL	SCT	SCT	DRY
26	VIDARBHA	WS*	FWS	SCT	FWS	WS	FWS	FWS
27	CHHATTISGARH	FWS	FWS	SCT	FWS	WS	FWS	WS
28	COASTAL ANDHRA PRADESH	SCT	ISOL	ISOL	DRY	SCT	ISOL	ISOL
29	TELANGANA	FWS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS*	WS	WS	WS	FWS	WS	WS
33	NORTH INT.KARNATAKA	WS*	FWS	FWS	SCT	SCT	SCT	SCT
34	SOUTH INT.KARNATAKA	WS*	FWS	FWS	FWS	SCT	SCT	SCT
35	KERALA	WS*	WS	WS	WS	FWS	FWS	SCT
36	LAKSHADWEEP	DRY	WS	FWS	SCT	SCT	FWS	DRY
<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>			
* <b>ACTIVE</b> (R/F 1 <sup>1</sup> / <sub>2</sub> - 4 times the normal with WS/FWS, at least 2 stations should be 5 cm. along west coast & 3 cm. elsewhere )								
** <b>VIGOROUS</b> (R/F More than 4 times the normal with WS/FWS, at least 2 stations should be 8 cm. along west coast & 5 cm. elsewhere)								

Table: 1.4

Met-Sub-Division	31-Jul Today	01Aug Tue	02Aug Wed	03Aug Thu	04Aug Fri
1. Andaman & Nicobar Islands	SCT	SCT	FWS	FWS	FWS
2. Arunachal Pradesh	SCT	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	FWS	FWS	WS	WS	WS
4. N. M. M. & T.	FWS	WS	WS	WS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	FWS	SCT	FWS	FWS	FWS
7. Odisha	SCT	SCT	SCT	SCT	SCT
8. Jharkhand	FWS	FWS	FWS	FWS	FWS
9. Bihar	FWS	WS	WS	FWS	FWS
10. East Uttar Pradesh	WS	FWS	FWS	FWS	FWS
11. West Uttar Pradesh	WS	WS	FWS	FWS	FWS
12. Uttarakhand	WS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	WS	WS	FWS	FWS	FWS
14. Punjab	WS	WS	FWS	SCT	SCT
15. Himachal Pradesh	WS	WS	WS	FWS	FWS
16. Jammu & Kashmir	WS	WS	FWS	SCT	SCT
17. West Rajasthan	ISOL	ISOL	ISOL	DRY	DRY
18. East Rajasthan	SCT	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	SCT	ISOL	ISOL	ISOL	ISOL
20. East Madhya Pradesh	SCT	SCT	ISOL	ISOL	ISOL
21. Gujarat Region	SCT	SCT	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	SCT	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	FWS	FWS	FWS	WS	WS
24. Madhya Maharashtra	SCT	SCT	ISOL	SCT	SCT
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	ISOL	ISOL	ISOL	SCT	SCT
27. Chhattisgarh	SCT	SCT	SCT	SCT	SCT
28. Coastal Andhra Pradesh	SCT	ISOL	ISOL	SCT	SCT
29. Telangana	ISOL	ISOL	ISOL	SCT	SCT
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	SCT	ISOL	ISOL	SCT	SCT
32. Coastal Karnataka	FWS	SCT	SCT	FWS	FWS
33. North Interior Karnataka	ISOL	ISOL	ISOL	SCT	SCT
34. South Interior Karnataka	SCT	ISOL	ISOL	SCT	SCT
35. Kerala	SCT	SCT	SCT	FWS	FWS
36. Lakshadweep	SCT	SCT	SCT	SCT	SCT

**% 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		

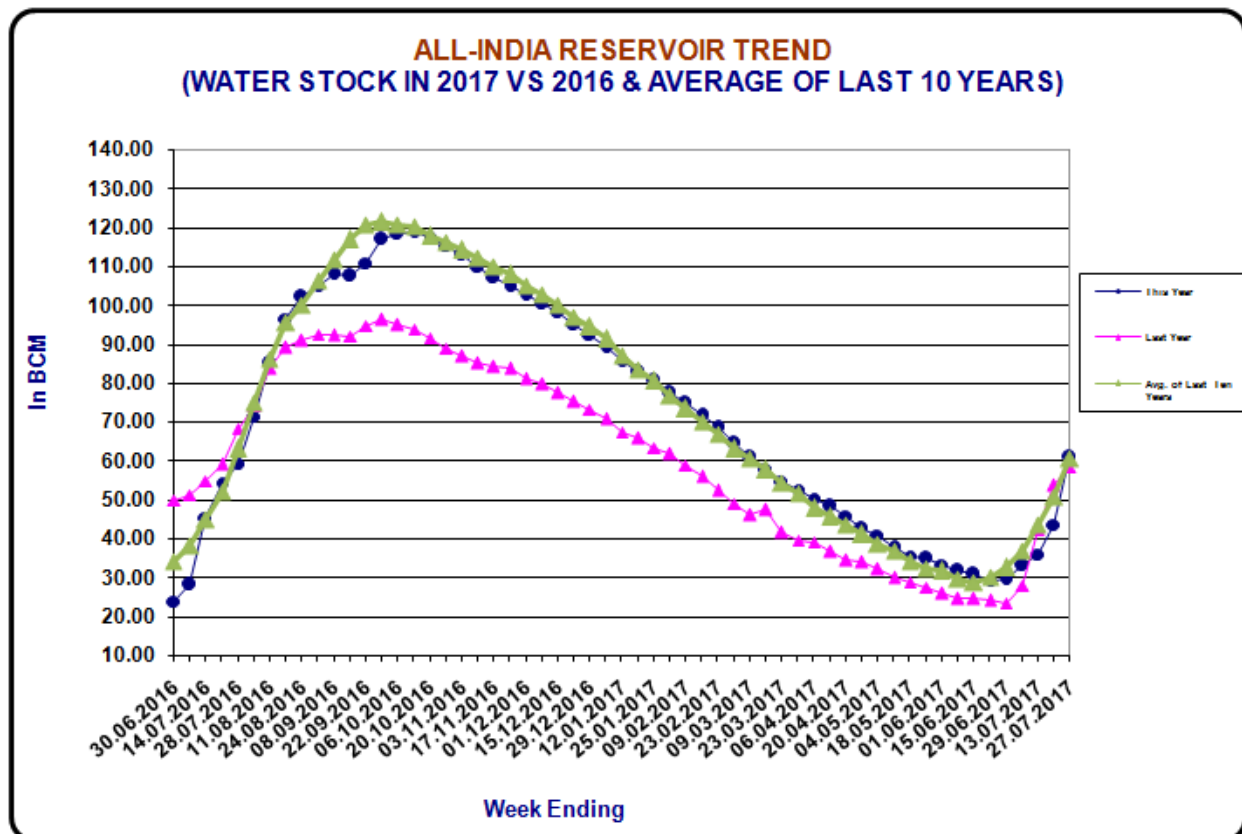
## 2. Reservoir Status (For the week ending on 27.07.2017)

- **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 in the country.
- Water stock in 91 major reservoirs increased to 60.91 BCM from the previous week's level of 43.73 BCM. Current storage is higher than the last year's position of 58.57 BCM and the average of last 10 year's storage of 60.67 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	39	104	100
Last Week	28	81	86
The percentage to live capacity at FRL was 37% on 27/07/2016, 43% on 27/07/2015, 41% on 27/07/2014 and 55% on 27/07/2013.			
<i>Source: CWC</i>			

There were 57 reservoirs having storage more than 80% of normal storage, 12 reservoirs having storage between 50% to 80%, 08 reservoir having storage between 30% to 50%, 14 reservoirs having storage upto 30% of Normal Storage and 01 reservoirs 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 Kharif 2017 (As on 27.07.2017)**

*(in '000 Tonnes)*

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2017	1340	586	76	683	214
Requirement for Kharif, 2017	14424	4791	1720	4773	2591
Requirement upto July, 2017	2845	907	365	1029	517
Availability upto 27.07.2017	9549	3089	1157	2571	1283
Sales upto 27.07.2017	6902	2091	859	1312	968
Closing Stock upto 27.07.2017	2647	999	298	1259	315

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

### 4. Pest & Diseases:

- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

## 5. All India Crop Situations

**Table: 5.1**

All India Crop Situation - Kharif (2017-18) as on 28.07.2017							
(In lakh hectares)							
Crop Name	Normal Area for whole Kharif Season	Normal Area as on date	Area sown reported			Absolute Change over (+/-)	
			This Year 2017	% of Normal for whole season	Last Year 2016	Normal as on date	Last Year
Rice	395.94	225.10	216.23	54.6	211.20	-8.9	5.0
Jowar	23.46	16.14	14.02	59.8	16.15	-2.1	-2.1
Bajra	76.66	51.74	61.37	80.1	50.08	9.6	11.3
Maize	73.30	66.76	69.14	94.3	72.94	2.4	-3.8
<b>Total Coarse Cereals</b>	<b>192.06</b>	<b>141.77</b>	<b>150.19</b>	<b>78.2</b>	<b>145.40</b>	<b>8.4</b>	<b>4.8</b>
<b>Total Cereals</b>	<b>588.01</b>	<b>366.87</b>	<b>366.42</b>	<b>62.3</b>	<b>356.60</b>	<b>-0.5</b>	<b>9.8</b>
Tur	39.24	30.34	34.88	88.9	41.28	4.5	-6.4
Urad	24.79	19.43	34.38	138.7	25.43	14.9	8.9
Moong	23.41	18.81	27.58	117.8	27.07	8.8	0.5
Kulthi	2.40	0.27	0.20	8.3	0.45	-0.1	-0.3
Others	15.74	11.78	17.84	113.3	13.21	6.1	4.6
<b>Total Pulses</b>	<b>105.58</b>	<b>80.63</b>	<b>114.88</b>	<b>108.8</b>	<b>107.44</b>	<b>34.2</b>	<b>7.4</b>
<b>Total Foodgrains</b>	<b>693.59</b>	<b>447.50</b>	<b>481.30</b>	<b>69.4</b>	<b>464.04</b>	<b>33.8</b>	<b>17.3</b>
Groundnut	41.49	31.16	33.05	79.7	37.32	1.9	-4.3
Soyabean	110.36	103.20	95.66	86.7	106.66	-7.5	-11.0
Sunflower	2.29	1.05	1.12	48.8	1.27	0.1	-0.2
Sesamum	17.97	10.07	9.65	53.7	10.05	-0.4	-0.4
Nigerseed	2.92	0.39	0.43	14.7	0.31	0.0	0.1
Castorseed	11.84	1.66	2.41	20.3	1.04	0.7	1.4
<b>Total Oilseeds</b>	<b>186.86</b>	<b>147.54</b>	<b>142.31</b>	<b>76.15</b>	<b>156.65</b>	<b>-5.2</b>	<b>-14.3</b>
Cotton	122.45	101.55	111.55	91.1	92.33	10.0	19.2
Sugarcane	50.05	48.97	49.15	98.2	45.22	0.2	3.9
Jute & Mesta	8.39	7.92	7.03	83.7	7.55	-0.9	-0.5
<b>All- Crops</b>	<b>1061.34</b>	<b>753.47</b>	<b>791.34</b>	<b>74.6</b>	<b>765.79</b>	<b>37.9</b>	<b>25.5</b>

Source: Crops & TMOP Divisions, DAC&FW



6. Progressive procurement of Rice as on 28.07.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 28.07.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.15	43.28
Telangana	30.00	35.93	15.80
Bihar	20.00	12.34	12.23
Chhattisgarh	35.00	46.62	34.42
Haryana	29.00	35.83	28.61
Kerala	2.22	3.08	3.76
Madhya Pradesh	9.00	13.14	8.41
Maharashtra	3.25	3.06	2.30
Odisha	31.00	35.87	33.69
Punjab	94.50	110.52	93.50
Tamil Nadu	15.00	1.42	11.23
Uttar Pradesh	33.50	23.54	29.10
Uttrakhand	6.00	7.06	5.97
West Bengal	25.00	19.23	15.45
All-India	380.00	386.82	340.96

7. Progressive procurement of Wheat as on 28.07.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 28.07.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	75.00	74.11	67.52
Madhya Pradesh	85.00	67.24	39.92
Punjab	115.00	117.05	106.49
Rajasthan	17.50	12.45	7.62
Uttar Pradesh	30.00	36.99	7.97
All-India	330.00	308.01	229.62