

**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: 05.09.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 01.09.2017.**

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

- *In the monsoon season, at All-India level, the rainfall during the week (24<sup>th</sup> August, 2017 – 30<sup>th</sup> August, 2017) has been 24% 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 78% in South Peninsula and 57% in Central India but lower than LPA by 21% in East & North East India and 13% in North West India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01<sup>st</sup> June to 30<sup>th</sup> August, 2017 has been 03% lower than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been equal to LPA in East & North East India but lower than LPA by 07% in South Peninsula and 04% each in Central India and North West India.*
- *Out of 36 met sub-divisions, 06 met subdivisions constituting 21% of the total area of the country has received excess rainfall, 24 met sub-divisions constituting 65% of the total area of the country has received normal rainfall and 06 met sub-divisions constituting 14% 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 31<sup>st</sup> August, 2017 has been 86.63 BCM as against 103.72 BCM on 31.08.2016 (last year) and 103.65 BCM of normal (average of the last 10 years) storage. Current year's storage is 84% of last year's storage and also the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 97% of the normal area under Kharif crops has been sown upto 01.09.2017. Area sown under all Kharif crops taken together has been reported 1028.14 lakh hectares at All India level as compared to 1034.28 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 3.9 lakh ha. under Rice, 4.3 lakh ha. under Bajra, 2.8 lakh ha. under Maize, 3.0 lakh ha. under Tur, 15.1 lakh ha. under Urad, 6.1 lakh ha. under Moong, 6.8 lakh ha. under Cotton and lower by 2.4 lakh ha. under Jowar, 8.6 lakh ha. under Soyabean, 1.3 lakh ha. under Sesamum and 2.3 lakh ha. under Castorseed.*
- *All-India progressive procurement of Rice as on 01.09.2017 for 2016-17 was 387.38 lakh tonnes against the procurement of 341.43 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.*
- *A special survey was conducted by CIPMC Nagpur in three districts of Maharashtra i.e., Nagpur, Amravati and Wardha on cotton crop for pink bollworm incidence. Among the surveyed districts in two talukas of Amravati i.e., Amravati and Nandgaon, the pink boll worm infestation was recorded above ETL. Also, Low to moderate intensity of whitefly on cotton crop has been reported in Faridkot, Fazilka, Muktsar and Bhatinda districts of Punjab. Directorate of PPQS has issued advisories to concerned State Government and CIPMCs.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

**1. Monsoon Season (June – September) during the week ending on 30<sup>th</sup> August, 2017**

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

- **Rainfall during the week (24<sup>th</sup> August, 2017 to 30<sup>th</sup> August, 2017)** Rainfall was large excess/excess in 17 subdivision, normal in 07 and deficient/large deficient in 12 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June, 2017 to 30<sup>th</sup> August, 2017)** Rainfall was large excess/excess in 06, normal in 24 and deficient/large deficient in 06 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 (30.08.2017)				Cumulative (01.06.17 to 30.08.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	35.1	40.5	-13	N	478.1	498.3	-4	N
Central India	92.7	59.2	57	E	756.3	785.6	-4	N
South Peninsular India	64.1	36.0	78	LE	517.6	554.7	-7	N
East & North-East India	60.5	77.0	-21	D	1130.9	1132.6	0	N
Country as a whole	64.2	51.8	24	E	683.6	707.4	-3	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 30<sup>th</sup> Aug., 2017**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> June to 30 <sup>th</sup> August, 2017					
	29 AUG 2012	28 AUG 2013	27 AUG 2014	02 SEP 2015	31 AUG 2016	30 AUG 2017
Large Excess	-	-	-	-	-	00
Excess	00	14	01	01	04	06
Normal	22	17	19	19	24	24
<b>Total</b>	<b>22</b>	<b>31</b>	<b>20</b>	<b>20</b>	<b>28</b>	<b>30</b>
Deficient	13	05	14	15	08	06
Large Deficient	-	-	-	-	-	00
Scanty	01	00	02	01	00	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>14</b>	<b>05</b>	<b>16</b>	<b>16</b>	<b>08</b>	<b>06</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>(-) 12%</b>	<b>11%</b>	<b>(-) 18%</b>	<b>(-) 12%</b>	<b>(-) 3%</b>	<b>(-) 3%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 04<sup>th</sup> Sept., 2017 to 08<sup>th</sup> Sept., 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>24 AUG</b>	<b>25 AUG</b>	<b>26 AUG</b>	<b>27 AUG</b>	<b>28 AUG</b>	<b>29 AUG</b>	<b>30 AUG</b>
1	ANDAMAN & NICO.ISLANDS	WS	WS	FWS	FWS	SCT	ISOL	DRY
2	ARUNACHAL PRADESH	SCT	SCT	SCT	SCT	SCT	SCT	SCT
3	ASSAM & MEGHALAYA	SCT	SCT	SCT	WS	FWS	FWS	SCT
4	NAGA.MANI.MIZO.& TRIPURA	FWS*	FWS*	FWS*	WS	FWS*	FWS	FWS
5	SUB-HIM.W. BENG. & SIKKIM	ISOL	SCT	FWS	WS*	WS	FWS	SCT
6	GANGETIC WEST BENGAL	FWS	SCT	ISOL	SCT	WS*	WS	FWS
7	ODISHA	FWS	FWS*	SCT	SCT	WS*	WS	SCT
8	JHARKHAND	SCT	FWS	ISOL	ISOL	WS	FWS	SCT
9	BIHAR	SCT	SCT	ISOL	SCT	SCT	ISOL	SCT
10	EAST UTTAR PRADESH	FWS	SCT	FWS	SCT	FWS*	ISOL	ISOL
11	WEST UTTAR PRADESH	SCT	ISOL	SCT	SCT	SCT	SCT	ISOL
12	UTTARAKHAND	FWS	FWS	FWS	FWS	WS*	WS	SCT
13	HARYANA CHD. & DELHI	WS*	ISOL	SCT	SCT	ISOL	SCT	ISOL
14	PUNJAB	ISOL	ISOL	SCT	DRY	ISOL	ISOL	FWS*
15	HIMACHAL PRADESH	WS*	SCT	WS*	DRY	ISOL	FWS	FWS
16	JAMMU & KASHMIR	ISOL	SCT	FWS	ISOL	DRY	ISOL	FWS
17	WEST RAJASTHAN	ISOL	SCT	SCT	ISOL	ISOL	ISOL	FWS*
18	EAST RAJASTHAN	SCT	FWS*	FWS	SCT	ISOL	FWS	WS*
19	WEST MADHYA PRADESH	ISOL	FWS	FWS	FWS*	FWS*	WS*	WS
20	EAST MADHYA PRADESH	FWS	WS*	FWS	SCT	FWS	WS	FWS
21	GUJARAT REGION D.D. & N.H.	SCT	ISOL	ISOL	FWS**	WS*	WS*	WS*
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	ISOL	WS*	WS**
23	KONKAN & GOA	WS	WS	WS*	WS*	WS*	WS**	WS**
24	MADHYA MAHARASHTRA	SCT	SCT	FWS*	FWS	WS*	WS**	WS*
25	MARATHAWADA	ISOL	FWS	WS*	WS*	WS*	WS**	FWS
26	VIDARBHA	ISOL	FWS*	FWS	FWS	FWS	WS*	WS*
27	CHHATTISGARH	WS*	FWS	FWS	SCT	WS*	WS*	FWS
28	COASTAL ANDHRA PRADESH	FWS	WS**	FWS*	SCT	FWS*	WS**	FWS
29	TELANGANA	ISOL	FWS*	WS*	FWS	FWS	WS*	FWS
30	RAYALASEEMA	WS**	WS**	FWS	FWS*	SCT	SCT	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	ISOL	SCT	SCT	ISOL	ISOL
32	COASTAL KARNATAKA	WS	WS*	WS	WS**	WS*	WS*	WS*
33	NORTH INT.KARNATAKA	SCT	FWS	WS*	WS*	WS*	WS*	FWS
34	SOUTH INT.KARNATAKA	FWS	WS*	FWS	WS*	WS*	WS*	FWS*
35	KERALA	SCT	SCT	ISOL	WS*	WS*	WS**	WS*
36	LAKSHADWEEP	SCT	SCT	DRY	WS	WS	WS	FWS
<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>DRY</b>	NO STATION REPORTED RAINFALL			
* <b>ACTIVE</b> (R/F $1\frac{1}{2}$ - 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	04-Sep Today	05Sep Tue	06Sep Wed	07Sep Thu	08Sep Fri
1. Andaman & Nicobar Islands	SCT	FWS	FWS	FWS	FWS
2. Arunachal Pradesh	WS	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	WS	FWS	FWS	WS	WS
4. N. M. M. & T.	WS	WS	WS	WS	WS
5. S.H. West Bengal & Sikkim	WS	WS	FWS	FWS	FWS
6. Gangetic West Bengal	FWS	FWS	FWS	FWS	FWS
7. Odisha	SCT	FWS	FWS	FWS	FWS
8. Jharkhand	SCT	FWS	FWS	FWS	FWS
9. Bihar	SCT	SCT	FWS	FWS	FWS
10. East Uttar Pradesh	SCT	SCT	SCT	SCT	SCT
11. West Uttar Pradesh	SCT	SCT	ISOL	ISOL	ISOL
12. Uttarakhand	FWS	FWS	FWS	FWS	FWS
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	ISOL	ISOL
14. Punjab	ISOL	ISOL	ISOL	ISOL	ISOL
15. Himachal Pradesh	FWS	SCT	SCT	SCT	SCT
16. Jammu & Kashmir	FWS	SCT	SCT	SCT	SCT
17. West Rajsthan	ISOL	ISOL	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
20. East Madhya Pradesh	ISOL	SCT	SCT	SCT	SCT
21. Gujarat Region	ISOL	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	FWS	SCT	SCT	FWS	FWS
24. Madhya Maharashtra	SCT	ISOL	ISOL	SCT	SCT
25. Marathawada	ISOL	ISOL	ISOL	SCT	SCT
26. Vidharbha	ISOL	SCT	FWS	FWS	FWS
27. Chhattisgarh	SCT	SCT	FWS	FWS	FWS
28. Coastal Andhra Pradesh	SCT	SCT	SCT	SCT	SCT
29. Telangana	SCT	SCT	SCT	SCT	SCT
30. Rayalaseema	SCT	FWS	SCT	SCT	SCT
31. Tamilnadu & Puducherry	SCT	SCT	SCT	SCT	SCT
32. Coastal Karnataka	SCT	FWS	FWS	FWS	FWS
33. North Interior Karnataka	ISOL	ISOL	SCT	SCT	SCT
34. South Interior Karnataka	WS	FWS	FWS	FWS	FWS
35. Kerala	WS	FWS	FWS	FWS	FWS
36. Lakshadweep	FWS	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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

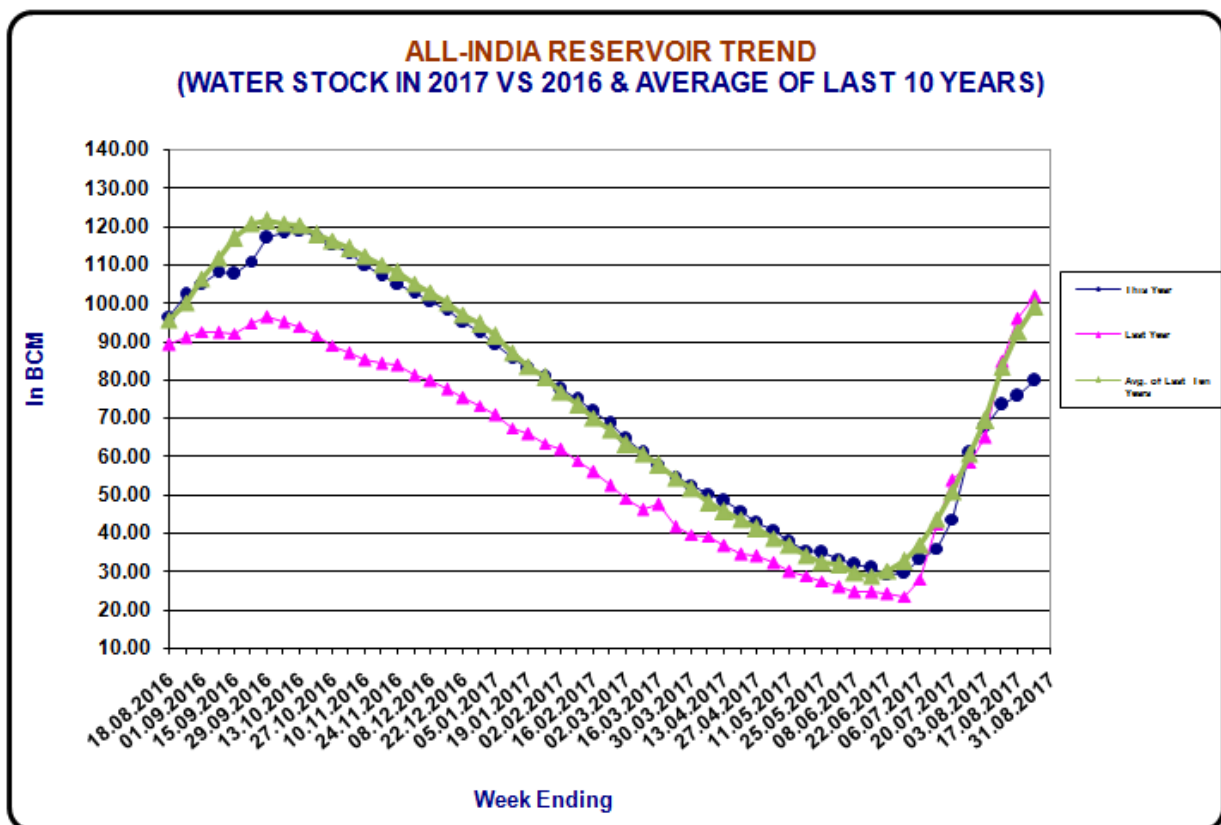
## 2. Reservoir Status (For the week ending on 31.08.2017)

- **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 86.63 BCM from the previous week's level of 79.93 BCM. Current storage is lower than the last year's position of 103.72 BCM and the average of last 10 year's storage of 103.65 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	55	84	84
Last Week	51	78	81
The percentage to live capacity at FRL was 66% on 31/08/2016, 59% on 31/08/2015, 46% on 31/08/2014 and 61% on 31/08/2013.			
<i>Source: CWC</i>			

There were 56 reservoirs having storage more than 80% of normal storage, 19 reservoirs having storage between 50% to 80%, 07 reservoir having storage between 30% to 50%, 09 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 31.08.2017)**

*(in '000 Tonnes)*

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2017	1340	586	76	683	204
Requirement for Kharif, 2017	14424	4791	1720	4773	2591
Requirement upto August, 2017	2906	845	317	924	467
Availability upto 31.08.2017	13211	4251	1623	4066	1632
Sales upto 31.08.2017	11582	3075	1320	2804	1322
Closing Stock upto 31.08.2017	1629	1176	303	1261	310

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 01.09.2017							
(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	362.37	366.30	92.5	372.03	3.9	-5.7
Jowar	23.46	19.80	17.39	74.1	19.10	-2.4	-1.7
Bajra	76.66	66.69	71.01	92.6	67.93	4.3	3.1
Maize	73.30	75.89	78.66	107.3	82.87	2.8	-4.2
Total Coarse Cereals	192.06	177.17	180.60	94.0	183.44	3.4	-2.8
Total Cereals	588.01	539.54	546.90	93.0	555.47	7.4	-8.6
Tur	39.24	39.28	42.31	107.8	51.74	3.0	-9.4
Urad	24.79	26.71	41.80	168.6	34.36	15.1	7.4
Moong	23.41	25.14	31.25	133.5	33.84	6.1	-2.6
Total Pulses	105.58	111.45	137.61	130.3	143.08	26.2	-5.5
Total Foodgrains	693.59	650.99	684.51	98.7	698.55	33.5	-14.0
Groundnut	41.49	39.26	39.61	95.5	44.13	0.3	-4.5
Soyabean	110.36	113.76	105.18	95.3	113.30	-8.6	-8.1
Sunflower	2.29	1.70	1.28	55.9	1.56	-0.4	-0.3
Sesamum	17.97	14.73	13.47	75.0	14.10	-1.3	-0.6
Nigerseed	2.92	1.46	1.42	48.9	1.16	0.0	0.3
Castorseed	11.84	8.15	5.84	49.3	6.56	-2.3	-0.7
Total Oilseeds	186.86	179.07	166.80	89.26	180.81	-12.3	-14.0
Cotton	122.45	113.10	119.88	97.9	101.72	6.8	18.2
Sugarcane	50.05	49.49	49.88	99.7	45.64	0.4	4.2
Jute & Mesta	8.39	7.92	7.05	84.0	7.56	-0.9	-0.5
<b>All- Crops</b>	<b>1061.34</b>	<b>1000.56</b>	<b>1028.14</b>	<b>96.9</b>	<b>1034.28</b>	<b>27.6</b>	<b>-6.1</b>

Source: Crops & TMOP Divisions, DAC&FW

Note: Area figures are as per eye assessment of State Agriculture Departments.

Normal Area: 5 years average of the area during the period of 2011-12 to 2015-16.

Normal Area as on date: 5 years average of the area during the corresponding period of 2012-13 to 2016-17.



6. Progressive procurement of Rice as on 01.09.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 01.09.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.19	43.26
Telangana	30.00	35.94	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	3.09	2.30
Odisha	31.00	36.30	33.69
Punjab	94.50	110.52	93.50
Tamil Nadu	15.00	1.44	11.67
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	387.38	341.43

7. Progressive procurement of Wheat as on 01.09.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 01.09.2017	
		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