

**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: 18.09.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 15.09.2017.**

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

- *In the monsoon season, at All-India level, the rainfall during the week (07<sup>th</sup> September, 2017 – 13<sup>th</sup> September, 2017) 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 26% in South Peninsula but lower than LPA by 72% in North West India, 31% in Central India and 26% in East & North East India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01<sup>st</sup> June to 13<sup>th</sup> September, 2017 has been 06% 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 09% each in North West India & Central India, 03% in South Peninsula and 01% in East & North East India.*
- *Out of 36 met sub-divisions, 06 met subdivisions constituting 20% of the total area of the country has received excess rainfall, 23 met sub-divisions constituting 58% of the total area of the country has received normal rainfall and 07 met sub-divisions constituting 22% 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 14<sup>th</sup> September, 2017 has been 92.51 BCM as against 107.27 BCM on 14.09.2016 (last year) and 114.46 BCM of normal (average of the last 10 years) storage. Current year's storage is 86% of last year's storage and 81% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 99% of the normal area under Kharif crops has been sown upto 15.09.2017. Area sown under all Kharif crops taken together has been reported 1049.42 lakh hectares at All India level as compared to 1057.15 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 1.8 lakh ha. under Rice, 3.4 lakh ha. under Bajra, 2.9 lakh ha. under Maize, 2.6 lakh ha. under Tur, 14.6 lakh ha. under Urad, 5.9 lakh ha. under Moong and 7.3 lakh ha. under Cotton. Area is lower by 2.2 lakh ha. under Jowar, 8.9 lakh ha. under Soyabean, 1.6 lakh ha. under Sesamum and 1.8 lakh ha. under Castorseed.*

- *All-India progressive procurement of Rice as on 15.09.2017 for 2016-17 was 387.43 lakh tonnes against the procurement of 341.59 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.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

**1. Monsoon Season (June – September) during the week ending on 13<sup>th</sup> September, 2017**

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

- **Rainfall during the week (07<sup>th</sup> September, 2017 to 13<sup>th</sup> September, 2017)** Rainfall was large excess/excess in 08 subdivision, normal in 05 and deficient/large deficient in 23 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June, 2017 to 13<sup>th</sup> September, 2017)** Rainfall was large excess/excess in 06, normal in 23 and deficient/large deficient in 07 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 (13.09.2017)				Cumulative (01.06.17 to 13.09.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	9.8	34.8	-72	LD	519.7	568.5	-9	N
Central India	35.4	51.1	-31	D	811.4	895.6	-9	N
South Peninsular India	39.5	31.4	26	E	599.6	617.9	-3	N
East & North-East India	56.5	76.0	-26	D	1266.6	1280.5	-1	N
Country as a whole	31.7	46.2	-31	D	752.7	802.0	-6	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 13<sup>th</sup> Sept., 2017**

No. of Sub-Divisions with rainfall	<i>For the period from 1<sup>st</sup> June to 13<sup>th</sup> September, 2017</i>					
	12 SEP 2012	11 SEP 2013	10 SEP 2014	16 SEP 2015	14 SEP 2016	13 SEP 2017
Large Excess	-	-	-	-	-	00
Excess	02	08	01	01	03	06
Normal	21	22	23	18	24	23
<b>Total</b>	<b>23</b>	<b>30</b>	<b>24</b>	<b>19</b>	<b>27</b>	<b>29</b>
Deficient	13	06	12	17	09	07
Large Deficient	-	-	-	-	-	00
Scanty	00	00	00	00	00	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>13</b>	<b>06</b>	<b>12</b>	<b>17</b>	<b>09</b>	<b>07</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>(-) 8%</b>	<b>6%</b>	<b>(-) 11%</b>	<b>(-) 16%</b>	<b>(-) 5%</b>	<b>(-) 6%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 15<sup>th</sup> Sept., 2017 to 19<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>07 SEP</b>	<b>08 SEP</b>	<b>09 SEP</b>	<b>10 SEP</b>	<b>11 SEP</b>	<b>12 SEP</b>	<b>13 SEP</b>
1	ANDAMAN & NICO.ISLANDS	SCT	SCT	ISOL	SCT	ISOL	DRY	FWS
2	ARUNACHAL PRADESH	ISOL	FWS	WS	WS*	FWS	FWS	FWS
3	ASSAM & MEGHALAYA	ISOL	FWS*	WS*	WS*	FWS	FWS	FWS
4	NAGA.MANI.MIZO.& TRIPURA	SCT	FWS	FWS*	WS	WS*	WS	FWS
5	SUB-HIM.W. BENG. & SIKKIM	FWS	FWS	WS	FWS	FWS	FWS	SCT
6	GANGETIC WEST BENGAL	ISOL	ISOL	SCT	ISOL	ISOL	SCT	SCT
7	ODISHA	ISOL	ISOL	ISOL	SCT	ISOL	ISOL	WS*
8	JHARKHAND	ISOL	ISOL	ISOL	ISOL	SCT	ISOL	SCT
9	BIHAR	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	SCT	ISOL	DRY	DRY	ISOL	ISOL	ISOL
12	UTTARAKHAND	SCT	ISOL	DRY	ISOL	ISOL	ISOL	ISOL
13	HARYANA CHD. & DELHI	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	DRY
14	PUNJAB	ISOL	ISOL	DRY	ISOL	ISOL	ISOL	DRY
15	HIMACHAL PRADESH	FWS	FWS	ISOL	SCT	SCT	ISOL	ISOL
16	JAMMU & KASHMIR	SCT	ISOL	DRY	ISOL	FWS	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	DRY	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	SCT	SCT	FWS	FWS*
20	EAST MADHYA PRADESH	FWS	ISOL	SCT	FWS*	ISOL	FWS	SCT
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
22	SAURASTRA KUTCH & DIU	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
23	KONKAN & GOA	ISOL	FWS	SCT	SCT	FWS*	FWS	WS*
24	MADHYA MAHARASHTRA	ISOL	FWS**	SCT	SCT	FWS*	FWS*	FWS*
25	MARATHAWADA	ISOL	WS**	FWS*	ISOL	ISOL	SCT	FWS**
26	VIDARBHA	ISOL	SCT	SCT	SCT	ISOL	FWS*	FWS*
27	CHHATTISGARH	ISOL	ISOL	SCT	FWS	ISOL	FWS	FWS
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	ISOL	SCT	ISOL	SCT
29	TELANGANA	SCT	SCT	ISOL	ISOL	ISOL	ISOL	ISOL
30	RAYALASEEMA	WS**	FWS*	ISOL	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	SCT	FWS*	SCT	SCT	ISOL	SCT
32	COASTAL KARNATAKA	SCT	WS	FWS	FWS	FWS	FWS	WS
33	NORTH INT.KARNATAKA	FWS*	WS**	SCT	SCT	SCT	ISOL	SCT
34	SOUTH INT.KARNATAKA	FWS*	WS**	WS**	WS**	FWS	ISOL	ISOL
35	KERALA	SCT	WS*	WS	SCT	FWS	FWS	SCT
36	LAKSHADWEEP	WS	WS	FWS	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			
* ACTIVE (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 )								
** VIGOROUS (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	15-Sep Today	16Sep Sat	17Sep Sun	18Sep Mon	19Sep Tue
1. Andaman & Nicobar Islands	WS	WS	WS	FWS	FWS
2. Arunachal Pradesh	SCT	FWS	WS	WS	WS
3. Assam & Meghalaya	SCT	FWS	WS	WS	WS
4. N. M. M. & T.	FWS	WS	WS	WS	WS
5. S.H. West Bengal & Sikkim	SCT	SCT	FWS	FWS	FWS
6. Gangetic West Bengal	ISOL	SCT	SCT	FWS	FWS
7. Odisha	SCT	SCT	SCT	FWS	FWS
8. Jharkhand	SCT	SCT	SCT	SCT	SCT
9. Bihar	ISOL	ISOL	ISOL	SCT	SCT
10. East Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
11. West Uttar Pradesh	ISOL	DRY	DRY	DRY	DRY
12. Uttarakhand	ISOL	ISOL	ISOL	ISOL	ISOL
13. Haryana, Chd & Delhi	ISOL	DRY	DRY	DRY	DRY
14. Punjab	ISOL	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	ISOL	ISOL	DRY	DRY
16. Jammu & Kashmir	ISOL	ISOL	DRY	DRY	DRY
17. West Rajasthan	ISOL	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	ISOL	DRY	DRY
19. West Madhya Pradesh	SCT	SCT	ISOL	ISOL	ISOL
20. East Madhya Pradesh	SCT	SCT	SCT	SCT	SCT
21. Gujarat Region	ISOL	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	FWS	FWS
24. Madhya Maharashtra	FWS	FWS	WS	WS	WS
25. Marathwada	FWS	WS	WS	SCT	SCT
26. Vidharbha	FWS	FWS	SCT	FWS	FWS
27. Chhattisgarh	SCT	SCT	SCT	FWS	FWS
28. Coastal Andhra Pradesh	SCT	SCT	FWS	FWS	FWS
29. Telangana	FWS	SCT	SCT	FWS	FWS
30. Rayalaseema	SCT	SCT	SCT	SCT	SCT
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	FWS	FWS	SCT	ISOL	ISOL
34. South Interior Karnataka	FWS	FWS	SCT	SCT	SCT
35. Kerala	WS	WS	WS	FWS	FWS
36. Lakshadweep	FWS	WS	WS	WS	WS

### % 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		

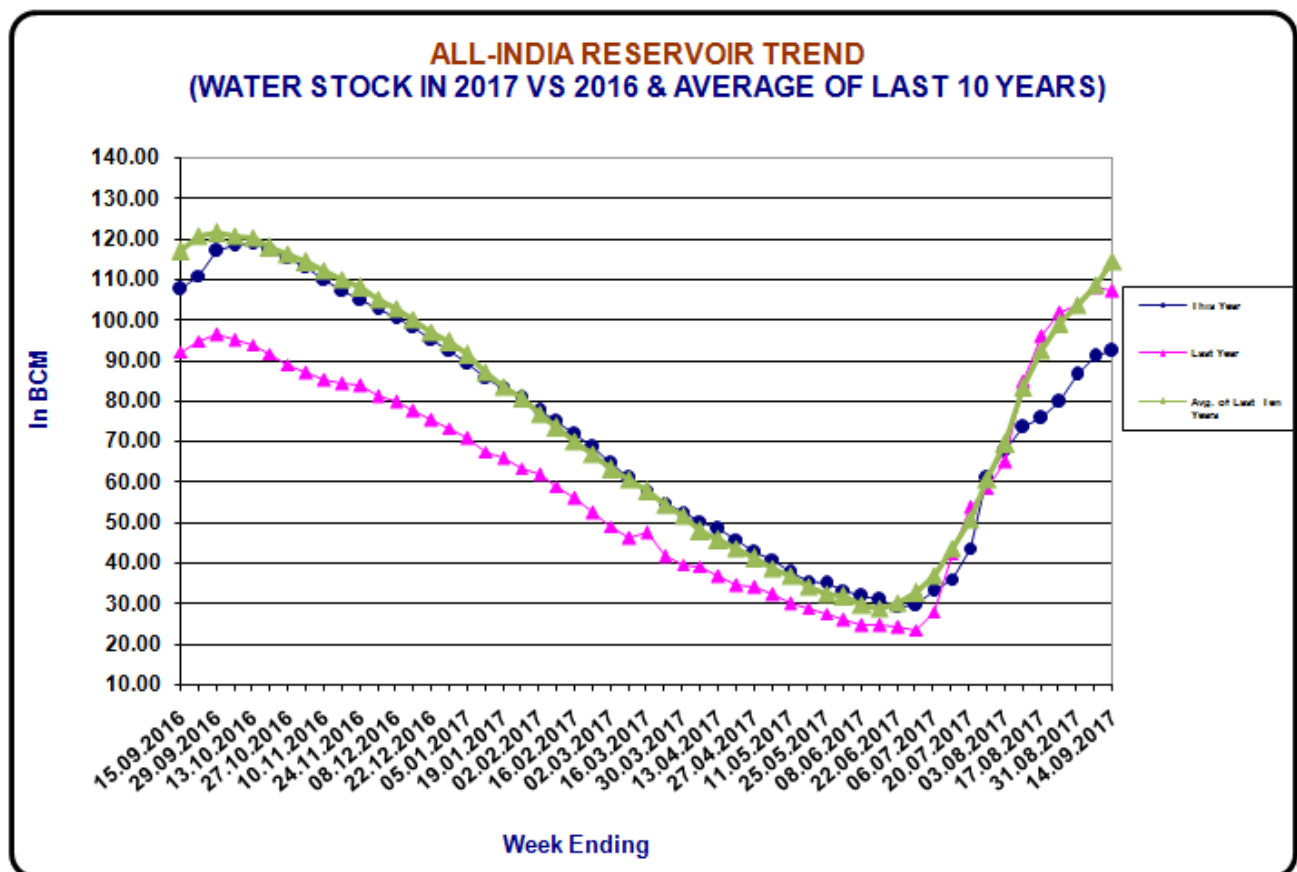
## 2. Reservoir Status (For the week ending on 14.09.2017)

- **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 92.51 BCM from the previous week's level of 91.20 BCM. Current storage is lower than the last year's position of 107.27 BCM and the average of last 10 year's storage of 114.46 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	59	86	81
Last Week	58	85	84
The percentage to live capacity at FRL was 68% on 14/09/2016, 58% on 14/09/2015, 78% on 14/09/2014 and 84% on 14/09/2013.			
<i>Source: CWC</i>			

There were 52 reservoirs having storage more than 80% of normal storage, 26 reservoirs having storage between 50% to 80%, 05 reservoir having storage between 30% to 50%, 08 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 14.09.2017)**

(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 September, 2017	2309	759	330	896	432
Availability upto 14.09.2017	14308	4689	1768	4496	1816
Sales upto 14.09.2017	12758	3489	1506	3229	1524
Closing Stock upto 14.09.2017	1551	1199	263	1267	292

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

### 4. Pest & Diseases:

- Incidence of **cotton Whitefly** is still at low to moderate level in Faridkot, Bhatinda, Muktsar and Fazilika districts of Punjab but under control.
- Incidence of **Swarming caterpillar** on Rice crop was reported at low to severe level in Nalbari, Bongaigaon and Dhubri districts of Assam.
- Incidence of **Giant African Snail** in Coffee plantation at Kodagu District of Karnataka was observed in low to moderate level. *Heliothis sp.* incidence in Okra crop was observed at Ujjain District of Madhya Pradesh was observed in about two hectares at moderate level. 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. All India Crop Situations

**Table: 5.1**

All India Crop Situation - Kharif (2017-18) as on 15.09.2017							
(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	372.24	374.00	94.5	379.12	1.8	-5.1
Jowar	23.46	20.31	18.12	77.2	19.54	-2.2	-1.4
Bajra	76.66	68.01	71.46	93.2	70.35	3.4	1.1
Maize	73.30	76.80	79.68	108.7	83.03	2.9	-3.3
Total Coarse Cereals	192.06	181.34	184.50	96.1	188.40	3.2	-3.9
Total Cereals	588.01	553.58	558.50	95.0	567.52	4.9	-9.0
Tur	39.24	40.35	43.00	109.6	52.39	2.6	-9.4
Urad	24.79	28.05	42.65	172.1	35.13	14.6	7.5
Moong	23.41	25.77	31.63	135.1	34.38	5.9	-2.8
Total Pulses	105.58	115.12	140.38	133.0	145.55	25.3	-5.2
Total Foodgrains	693.59	668.70	698.88	100.8	713.07	30.2	-14.2
Groundnut	41.49	40.60	41.36	99.7	46.78	0.8	-5.4
Soyabean	110.36	114.65	105.76	95.8	114.72	-8.9	-9.0
Sunflower	2.29	1.95	1.37	59.6	1.59	-0.6	-0.2
Sesamum	17.97	15.41	13.78	76.7	15.71	-1.6	-1.9
Castorseed	11.84	9.70	7.90	66.8	8.24	-1.8	-0.3
Total Oilseeds	186.86	184.14	172.02	92.05	188.63	-12.1	-16.6
Cotton	122.45	114.24	121.51	99.2	102.23	7.3	19.3
Sugarcane	50.05	49.49	49.95	99.8	45.64	0.5	4.3
Jute & Mesta	8.39	7.94	7.08	84.3	7.58	-0.9	-0.5
All- Crops	1061.34	1024.51	1049.42	98.9	1057.15	24.9	-7.7

Source: Crops & TMOP Divisions, DAC&FW

6. Progressive procurement of Rice as on 15.09.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 15.09.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.23	43.26
Telangana	30.00	35.95	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	11.83
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	387.43	341.59

7. Progressive procurement of Wheat as on 15.09.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 15.09.2017	
		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