

**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: 12.09.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 08.09.2017.**

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

- *In the monsoon season, at All-India level, the rainfall during the week (31<sup>th</sup> August, 2017 – 06<sup>th</sup> September, 2017) has been 23% 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 36% in South Peninsula and 04% in East & North East India but lower than LPA by 65% in Central India and 10% in North West India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01<sup>st</sup> June to 06<sup>th</sup> September, 2017 has been 05% 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 08% in Central India and 04% each in South Peninsula & North West India.*
- *Out of 36 met sub-divisions, 06 met subdivisions constituting 20% of the total area of the country has received excess rainfall, 22 met sub-divisions constituting 57% of the total area of the country has received normal rainfall and 08 met sub-divisions constituting 23% 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 07<sup>th</sup> September, 2017 has been 91.20 BCM as against 108.07 BCM on 07.09.2016 (last year) and 108.79 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 98% of the normal area under Kharif crops has been sown upto 08.09.2017. Area sown under all Kharif crops taken together has been reported 1041.17 lakh hectares at All India level as compared to 1049.87 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 2.8 lakh ha. under Rice, 4.6 lakh ha. under Bajra, 3.1 lakh ha. under Maize, 2.7 lakh ha. under Tur, 14.9 lakh ha. under Urad, 5.9 lakh ha. under Moong and 7.9 lakh ha. under Cotton. Area is lower by 2.2 lakh ha. under Jowar, 9.2 lakh ha. under Soyabean and 1.7 lakh ha. under Sesamum.*

- *All-India progressive procurement of Rice as on 08.09.2017 for 2016-17 was 387.40 lakh tonnes against the procurement of 341.52 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.*
- *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 06<sup>th</sup> September, 2017**

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

- **Rainfall during the week (31<sup>st</sup> August, 2017 to 06<sup>th</sup> September, 2017)** Rainfall was large excess/excess in 11 subdivision, normal in 08 and deficient/large deficient in 17 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June, 2017 to 06<sup>th</sup> September, 2017)** Rainfall was large excess/excess in 06, normal in 22 and deficient/large deficient in 08 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 (06.09.2017)				Cumulative (01.06.17 to 06.09.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	31.8	35.4	-10	N	510.0	533.7	-4	N
Central India	20.4	58.9	-65	D	776.1	844.5	-8	N
South Peninsular India	43.3	31.8	36	E	560.7	586.5	-4	N
East & North-East India	74.7	71.9	4	N	1205.4	1204.5	0	N
Country as a whole	37.0	48.4	-23	D	720.4	755.8	-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 06<sup>th</sup> Sept., 2017**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> June to 06 <sup>th</sup> September, 2017					
	05 SEP 2012	04 SEP 2013	03 SEP 2014	09 SEP 2015	07 SEP 2016	06 SEP 2017
Large Excess	-	-	-	-	-	00
Excess	01	11	01	01	04	06
Normal	23	19	22	18	25	22
<b>Total</b>	<b>24</b>	<b>30</b>	<b>23</b>	<b>19</b>	<b>29</b>	<b>28</b>
Deficient	11	06	11	17	07	08
Large Deficient	-	-	-	-	-	00
Scanty	01	00	02	00	00	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>12</b>	<b>06</b>	<b>13</b>	<b>17</b>	<b>07</b>	<b>08</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>(-) 10%</b>	<b>8%</b>	<b>(-) 15%</b>	<b>(-) 15%</b>	<b>(-) 4%</b>	<b>(-) 5%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 08<sup>th</sup> Sept., 2017 to 12<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>31 AUG</b>	<b>01 SEP</b>	<b>02 SEP</b>	<b>03 SEP</b>	<b>04 SEP</b>	<b>05 SEP</b>	<b>06 SEP</b>
1	ANDAMAN & NICO.ISLANDS	WS	FWS	SCT	SCT	FWS	SCT	SCT
2	ARUNACHAL PRADESH	FWS	FWS	WS*	WS*	WS*	WS*	FWS
3	ASSAM & MEGHALAYA	FWS	WS	WS*	WS*	WS	FWS	FWS
4	NAGA.MANI.MIZO.& TRIPURA	FWS	WS*	WS	WS	WS	FWS	FWS
5	SUB-HIM.W. BENG. & SIKKIM	WS*	FWS	WS*	WS	FWS*	SCT	WS
6	GANGETIC WEST BENGAL	ISOL	FWS	WS*	FWS	ISOL	ISOL	ISOL
7	ODISHA	ISOL	SCT	WS*	SCT	ISOL	ISOL	SCT
8	JHARKHAND	ISOL	SCT	FWS	SCT	ISOL	DRY	ISOL
9	BIHAR	ISOL	FWS*	SCT	SCT	SCT	ISOL	ISOL
10	EAST UTTAR PRADESH	ISOL	FWS	SCT	SCT	ISOL	ISOL	ISOL
11	WEST UTTAR PRADESH	SCT	FWS*	FWS*	SCT	ISOL	ISOL	ISOL
12	UTTARAKHAND	FWS	WS**	WS*	WS	SCT	ISOL	ISOL
13	HARYANA CHD. & DELHI	SCT	WS**	FWS**	WS**	ISOL	ISOL	ISOL
14	PUNJAB	SCT	FWS**	WS**	ISOL	ISOL	SCT	DRY
15	HIMACHAL PRADESH	SCT	WS*	WS*	SCT	ISOL	ISOL	ISOL
16	JAMMU & KASHMIR	FWS	FWS	FWS	FWS	SCT	DRY	DRY
17	WEST RAJASTHAN	FWS	FWS**	SCT	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	FWS	SCT	ISOL	SCT	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	FWS	ISOL	ISOL	ISOL	FWS	ISOL	ISOL
20	EAST MADHYA PRADESH	SCT	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
21	GUJARAT REGION D.D. & N.H.	FWS	SCT	SCT	FWS	SCT	SCT	ISOL
22	SAURASTRA KUTCH & DIU	WS**	FWS	SCT	FWS	ISOL	ISOL	DRY
23	KONKAN & GOA	WS	WS	FWS	WS	FWS	ISOL	ISOL
24	MADHYA MAHARASHTRA	SCT	ISOL	ISOL	SCT	SCT	ISOL	ISOL
25	MARATHAWADA	ISOL	DRY	ISOL	DRY	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	ISOL	ISOL	ISOL	SCT	ISOL	ISOL
27	CHHATTISGARH	ISOL	SCT	SCT	SCT	ISOL	ISOL	ISOL
28	COASTAL ANDHRA PRADESH	SCT	ISOL	SCT	ISOL	ISOL	SCT	FWS*
29	TELANGANA	ISOL	ISOL	ISOL	ISOL	SCT	SCT	SCT
30	RAYALASEEMA	ISOL	SCT	ISOL	ISOL	SCT	FWS*	FWS*
31	TAMILNADU & PUDUCHERRY	SCT	SCT	FWS**	SCT	ISOL	SCT	FWS**
32	COASTAL KARNATAKA	FWS	FWS	ISOL	ISOL	ISOL	ISOL	ISOL
33	NORTH INT.KARNATAKA	SCT	SCT	ISOL	ISOL	ISOL	SCT	FWS*
34	SOUTH INT.KARNATAKA	SCT	SCT	SCT	SCT	ISOL	SCT	FWS**
35	KERALA	FWS	SCT	WS*	WS*	SCT	WS	FWS*
36	LAKSHADWEEP	FWS	DRY	DRY	FWS	FWS	DRY	WS
<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	08-Sep Today	09Sep Sat	10Sep Sun	11Sep Mon	12Sep Tue
1. Andaman & Nicobar Islands	SCT	SCT	SCT	SCT	SCT
2. Arunachal Pradesh	SCT	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	FWS	WS	WS	WS	WS
4. N. M. M. & T.	WS	WS	WS	WS	FWS
5. S.H. West Bengal & Sikkim	FWS	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	SCT	SCT	SCT	SCT	FWS
7. Odisha	SCT	SCT	SCT	SCT	FWS
8. Jharkhand	SCT	SCT	SCT	SCT	FWS
9. Bihar	ISOL	ISOL	SCT	SCT	FWS
10. East Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	SCT
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
12. Uttarakhand	FWS	SCT	SCT	SCT	SCT
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	ISOL	ISOL
14. Punjab	ISOL	ISOL	ISOL	ISOL	ISOL
15. Himachal Pradesh	FWS	SCT	SCT	SCT	ISOL
16. Jammu & Kashmir	SCT	ISOL	SCT	SCT	ISOL
17. West Rajsthan	ISOL	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	ISOL	ISOL	ISOL	ISOL	SCT
20. East Madhya Pradesh	ISOL	ISOL	SCT	SCT	SCT
21. Gujarat Region	ISOL	ISOL	SCT	SCT	FWS
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	SCT	SCT
23. Konkan & Goa	SCT	FWS	FWS	WS	FWS
24. Madhya Maharashtra	SCT	FWS	FWS	FWS	FWS
25. Marathawada	SCT	FWS	FWS	FWS	FWS
26. Vidharbha	SCT	SCT	SCT	SCT	FWS
27. Chhattisgarh	SCT	SCT	SCT	SCT	FWS
28. Coastal Andhra Pradesh	SCT	SCT	FWS	FWS	FWS
29. Telangana	SCT	SCT	SCT	FWS	FWS
30. Rayalaseema	SCT	SCT	SCT	FWS	FWS
31. Tamilnadu & Puducherry	SCT	FWS	FWS	SCT	FWS
32. Coastal Karnataka	FWS	FWS	WS	WS	FWS
33. North Interior Karnataka	FWS	FWS	FWS	SCT	FWS
34. South Interior Karnataka	WS	FWS	FWS	FWS	FWS
35. Kerala	FWS	WS	FWS	FWS	FWS
36. Lakshadweep	FWS	FWS	WS	WS	FWS

**% 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		

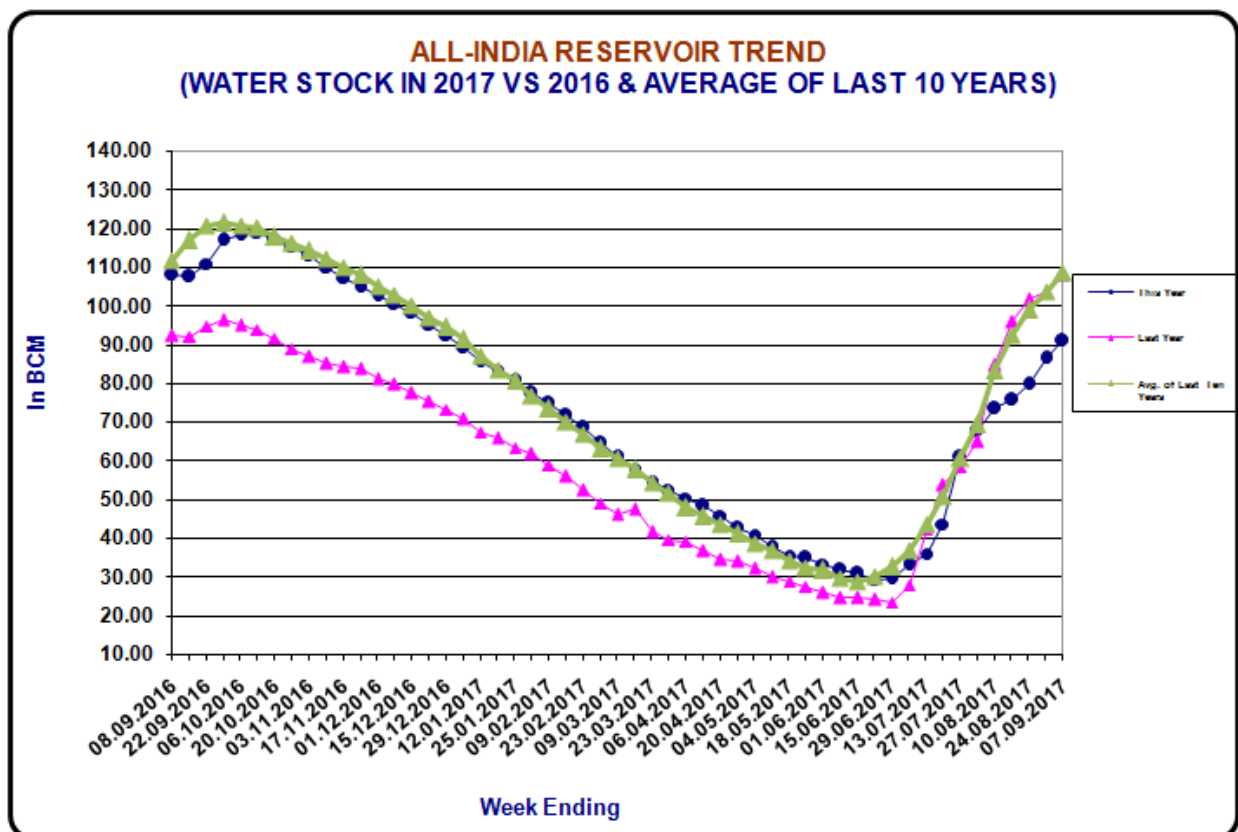
## 2. Reservoir Status (For the week ending on 07.09.2017)

- **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 91.20 BCM from the previous week's level of 86.58 BCM. Current storage is lower than the last year's position of 108.07 BCM and the average of last 10 year's storage of 108.79 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	58	84	84
Last Week	55	83	84
The percentage to live capacity at FRL was 68% on 07/09/2016, 59% on 07/09/2015, 74% on 07/09/2014 and 83% on 07/09/2013.			
<i>Source: CWC</i>			

There were 54 reservoirs having storage more than 80% of normal storage, 23 reservoirs having storage between 50% to 80%, 06 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 07.09.2017)**

*(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 07.09.2017	13786	4459	1712	4221	1734
Sales upto 07.09.2017	12314	3353	1433	3041	1451
Closing Stock upto 07.09.2017	1471	1106	278	1180	283

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 08.09.2017							
(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	368.61	371.46	93.8	376.89	2.8	-5.4
Jowar	23.46	20.11	17.89	76.3	19.51	-2.2	-1.6
Bajra	76.66	66.83	71.38	93.1	68.65	4.6	2.7
Maize	73.30	76.31	79.43	108.4	82.79	3.1	-3.4
Total Coarse Cereals	192.06	178.88	183.43	95.5	186.06	4.6	-2.6
Total Cereals	588.01	547.49	554.89	94.4	562.95	7.4	-8.1
Tur	39.24	40.07	42.81	109.1	52.19	2.7	-9.4
Urad	24.79	27.27	42.15	170.1	34.83	14.9	7.3
Moong	23.41	25.63	31.48	134.5	34.25	5.9	-2.8
Total Pulses	105.58	113.58	139.17	131.8	144.84	25.6	-5.7
Total Foodgrains	693.59	661.07	694.06	100.1	707.79	33.0	-13.7
Groundnut	41.49	40.16	40.78	98.3	46.46	0.6	-5.7
Soyabean	110.36	114.48	105.26	95.4	114.66	-9.2	-9.4
Sesamum	17.97	15.20	13.48	75.0	15.48	-1.7	-2.0
Total Oilseeds	186.86	182.41	169.20	90.54	187.16	-13.2	-18.0
Cotton	122.45	113.10	120.98	98.8	101.72	7.9	19.3
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>1014.00</b>	<b>1041.17</b>	<b>98.1</b>	<b>1049.87</b>	<b>27.2</b>	<b>-8.7</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 08.09.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 08.09.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.21	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	11.76
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	387.40	341.52

7. Progressive procurement of Wheat as on 08.09.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 08.09.2017	
		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