

**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: 14.08.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 11.08.2017.**

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

- *In the monsoon season, at All-India level, the rainfall during the week (03<sup>rd</sup> August, 2017 – 09<sup>th</sup> August, 2017) has been 29% 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 8% in East & North East India but lower than LPA by 54% in Central India, 22% in North West India and 17% in South Peninsula India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01<sup>st</sup> June to 09<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-higher than LPA by 11% in North West India but lower than LPA by 18% in South Peninsula, 06% in East & North East India and 02% in Central India.*
- *Out of 36 met sub-divisions, 01 met subdivision constituting 06% of the total area of the country has received large excess, 03 met subdivisions constituting 13% of the total area of the country has received excess rainfall, 25 met sub-divisions constituting 66% of the total area of the country has received normal rainfall and 07 met sub-divisions constituting 15% 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 10<sup>th</sup> August, 2017 has been 73.49 BCM as against 84.62 BCM on 10.08.2016 (last year) and 83.31 BCM of normal (average of the last 10 years) storage. Current year's storage is 87% of last year's storage and 88% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 89% of the normal area under Kharif crops has been sown upto 11.08.2017. Area sown under all Kharif crops taken together has been reported to be 943.45 lakh hectares at All India level as compared to 936.95 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 21.7 lakh ha. under Rice, 7.0 lakh ha. under Bajra, 2.8 lakh ha. under Maize, 3.3 lakh ha. under Tur, 13.8 lakh ha. under Urad, 6.6 lakh ha. under Moong, 7.9 lakh ha. under Cotton and lower by 2.9 lakh ha. under Jowar, 8.1 lakh ha. under Soyabean, 1.7 lakh ha. under Sesamum.*
- *All-India progressive procurement of Rice as on 11.08.2017 for 2016-17 was 387.32 lakh tonnes against the procurement of 341.12 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.*
- *Low to moderate intensity of white fly and Jassids on cotton crop has been reported in Bhatinda, Faridkot and Muktsar, Directorate of Plant Protection, Quarantine & Storage, Faridabad already issued advisories to Punjab & Haryana.*
- *Availability position of seeds and fertilizers has been found satisfactory.*

**1. Monsoon Season (June – September) during the week ending on 09<sup>th</sup> August, 2017**

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

- **Rainfall during the week (03<sup>rd</sup> August, 2017 to 09<sup>th</sup> August, 2017)** Rainfall was large excess/excess in 06 subdivision, normal in 08 and deficient/large deficient in 22 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June, 2017 to 09<sup>th</sup> August, 2017)** Rainfall was large excess/excess in 04, normal in 25 and 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 (09.08.2017)				Cumulative (01.06.17 to 09.08.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	41.6	53.5	-22	D	395.7	357.8	11	N
Central India	36.7	79.1	-54	D	575.6	590.2	-2	N
South Peninsular India	34.2	41.1	-17	N	357.4	433.2	-18	N
East & North-East India	85.4	79.0	8	N	832.3	889.1	-6	N
Country as a whole	45.5	63.8	-29	D	518.3	535.6	-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 09<sup>th</sup> Aug., 2017**

No. of Sub-Divisions with rainfall	<i>For the period from 1<sup>st</sup> June to 09<sup>th</sup> August, 2017</i>					
	08 AUG 2012	07 AUG 2013	06 AUG 2014	12 AUG 2015	10 AUG 2016	09 AUG 2017
Large Excess	-	-	-	-	-	01
Excess	00	17	01	05	10	03
Normal	18	13	19	15	21	25
<b>Total</b>	<b>18</b>	<b>30</b>	<b>20</b>	<b>20</b>	<b>31</b>	<b>29</b>
Deficient	13	06	16	16	05	07
Large Deficient	-	-	-	-	-	00
Scanty	05	00	00	00	00	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>18</b>	<b>06</b>	<b>16</b>	<b>16</b>	<b>05</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>(-) 17%</b>	<b>15%</b>	<b>(-) 18%</b>	<b>(-) 9%</b>	<b>3%</b>	<b>(-) 3%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 14<sup>th</sup> Aug., 2017 to 18<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>03 AUG</b>	<b>04 AUG</b>	<b>05 AUG</b>	<b>06 AUG</b>	<b>07 AUG</b>	<b>08 AUG</b>	<b>09 AUG</b>
1	ANDAMAN & NICO.ISLANDS	WS	FWS	WS	WS	WS	WS	FWS
2	ARUNACHAL PRADESH	FWS	SCT	SCT	WS	FWS	WS*	WS**
3	ASSAM & MEGHALAYA	FWS	FWS	SCT	FWS	FWS	FWS	WS
4	NAGA.MANI.MIZO.& TRIPURA	FWS	FWS	WS*	FWS	WS	FWS	FWS
5	SUB-HIM.W. BENG. & SIKKIM	WS*	WS	FWS	WS	WS	WS*	WS*
6	GANGETIC WEST BENGAL	FWS	WS*	WS*	FWS	SCT	SCT	SCT
7	ODISHA	FWS	FWS	WS*	WS*	FWS	FWS	FWS
8	JHARKHAND	WS	FWS	WS*	WS	SCT	ISOL	SCT
9	BIHAR	WS*	WS*	FWS	FWS	SCT	SCT	SCT
10	EAST UTTAR PRADESH	FWS	SCT	ISOL	SCT	FWS	FWS	SCT
11	WEST UTTAR PRADESH	SCT	ISOL	ISOL	ISOL	SCT	WS	SCT
12	UTTARAKHAND	WS	FWS	WS*	FWS	FWS	WS	FWS
13	HARYANA CHD. & DELHI	SCT	SCT	ISOL	ISOL	SCT	WS**	SCT
14	PUNJAB	FWS*	FWS	ISOL	ISOL	ISOL	SCT	SCT
15	HIMACHAL PRADESH	WS	WS*	WS**	WS*	FWS*	WS*	FWS
16	JAMMU & KASHMIR	WS*	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	DRY	DRY	DRY	DRY	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	DRY	ISOL	FWS*	FWS*
19	WEST MADHYA PRADESH	SCT	SCT	ISOL	ISOL	ISOL	FWS	SCT
20	EAST MADHYA PRADESH	ISOL	ISOL	SCT	SCT	FWS	FWS	FWS
21	GUJARAT REGION D.D. & N.H.	FWS	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
22	SAURASTRA KUTCH & DIU	ISOL	DRY	DRY	DRY	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS	WS	WS	WS	FWS	WS	WS
24	MADHYA MAHARASHTRA	SCT	FWS	ISOL	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	ISOL	ISOL	ISOL	DRY	ISOL	SCT	ISOL
26	VIDARBHA	ISOL	FWS	SCT	SCT	ISOL	FWS	FWS
27	CHHATTISGARH	SCT	SCT	FWS	WS	WS*	FWS	FWS
28	COASTAL ANDHRA PRADESH	SCT	SCT	SCT	SCT	SCT	SCT	SCT
29	TELANGANA	ISOL	SCT	ISOL	ISOL	ISOL	FWS	FWS
30	RAYALASEEMA	ISOL	ISOL	SCT	ISOL	SCT	ISOL	SCT
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	FWS**
32	COASTAL KARNATAKA	WS	WS*	WS	WS	WS	WS	WS
33	NORTH INT.KARNATAKA	ISOL	FWS	SCT	ISOL	ISOL	SCT	SCT
34	SOUTH INT.KARNATAKA	SCT	FWS	FWS	FWS	FWS	SCT	SCT
35	KERALA	FWS	WS*	WS*	WS*	WS	WS	FWS
36	LAKSHADWEEP	FWS	WS	WS	FWS	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	14-Aug Today	15Aug Tue	16Aug Wed	17Aug Thu	18Aug Fri
1. Andaman & Nicobar Islands	WS	WS	FWS	FWS	FWS
2. Arunachal Pradesh	FWS	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	WS	FWS	FWS	FWS	FWS
4. N. M. M. & T.	WS	FWS	FWS	WS	FWS
5. S.H. West Bengal & Sikkim	WS	WS	WS	FWS	FWS
6. Gangetic West Bengal	WS	FWS	FWS	FWS	FWS
7. Odisha	FWS	FWS	FWS	FWS	FWS
8. Jharkhand	WS	FWS	FWS	FWS	FWS
9. Bihar	WS	WS	FWS	FWS	WS
10. East Uttar Pradesh	FWS	FWS	FWS	FWS	WS
11. West Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
12. Uttarakhand	FWS	FWS	FWS	FWS	FWS
13. Haryana, Chd & Delhi	ISOL	ISOL	ISOL	ISOL	SCT
14. Punjab	ISOL	ISOL	ISOL	ISOL	ISOL
15. Himachal Pradesh	FWS	SCT	ISOL	ISOL	ISOL
16. Jammu & Kashmir	FWS	SCT	ISOL	ISOL	ISOL
17. West Rajsthan	DRY	DRY	DRY	DRY	ISOL
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	ISOL	ISOL	SCT	SCT	FWS
20. East Madhya Pradesh	ISOL	SCT	FWS	FWS	WS
21. Gujarat Region	SCT	ISOL	ISOL	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	SCT	SCT	SCT	FWS
25. Marathawada	ISOL	SCT	SCT	SCT	FWS
26. Vidharbha	ISOL	SCT	FWS	FWS	FWS
27. Chhattisgarh	SCT	FWS	FWS	FWS	FWS
28. Coastal Andhra Pradesh	FWS	FWS	FWS	FWS	FWS
29. Telangana	SCT	FWS	FWS	FWS	FWS
30. Rayalaseema	FWS	FWS	FWS	FWS	FWS
31. Tamilnadu & Puducherry	FWS	FWS	SCT	SCT	SCT
32. Coastal Karnataka	FWS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	FWS	FWS	FWS	FWS
34. South Interior Karnataka	FWS	FWS	FWS	FWS	FWS
35. Kerala	FWS	FWS	FWS	FWS	FWS
36. Lakshadweep	SCT	SCT	SCT	FWS	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		

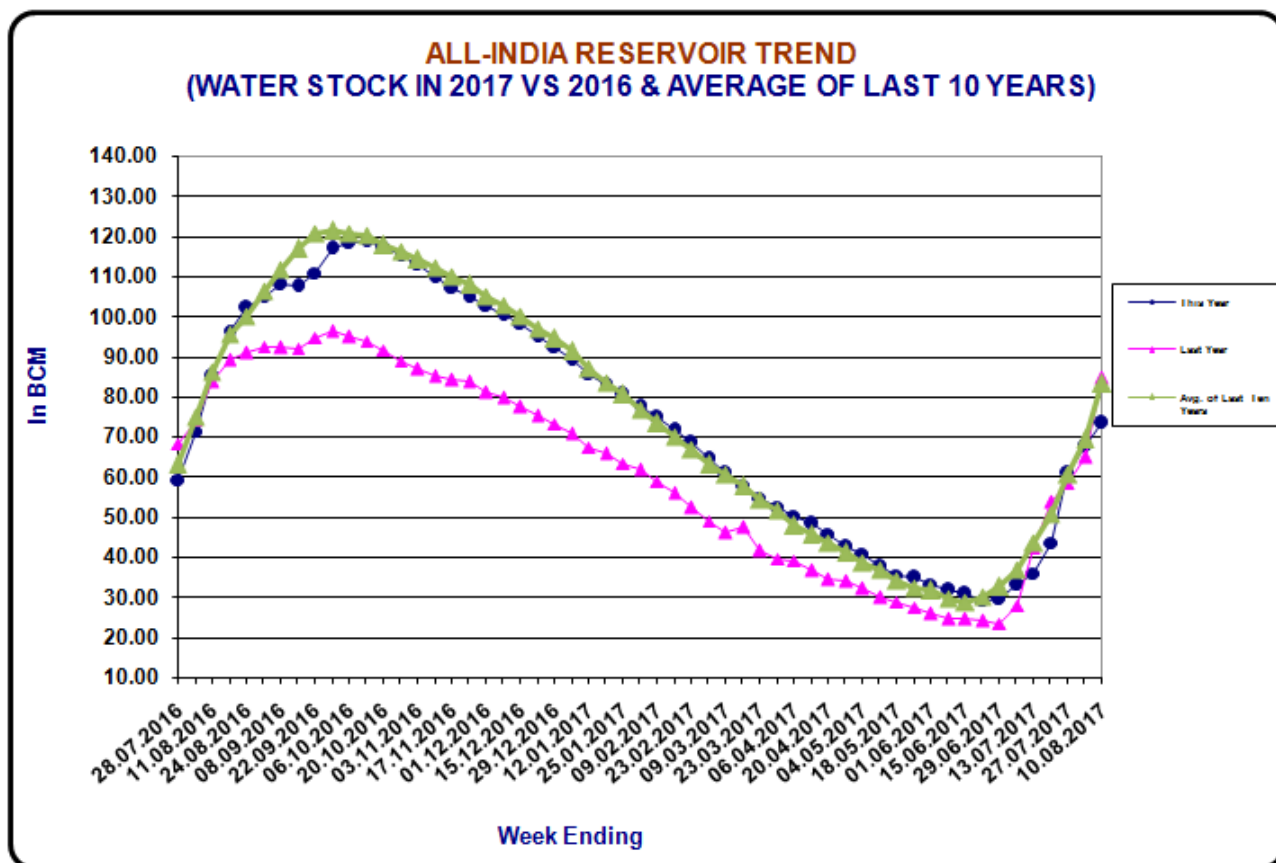
## 2. Reservoir Status (For the week ending on 10.08.2017)

- **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 73.49 BCM from the previous week's level of 67.68 BCM. Current storage is lower than the last year's position of 84.62 BCM and the average of last 10 year's storage of 83.31 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	47	87	88
Last Week	43	104	97
The percentage to live capacity at FRL was 54% on 10/08/2016, 54% on 10/08/2015, 61% on 10/08/2014 and 72% on 10/08/2013.			
<i>Source: CWC</i>			

There were 51 reservoirs having storage more than 80% of normal storage, 17 reservoirs having storage between 50% to 80%, 11 reservoir having storage between 30% to 50%, 12 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 10.08.2017)**

*(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 10.08.2017	11094	3481	1313	3408	1441
Sales upto 10.08.2017	9509	2560	1036	2272	1158
Closing Stock upto 10.08.2017	1585	921	277	1136	284

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 11.08.2017							
(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	298.62	320.29	80.9	314.01	21.7	6.3
Jowar	23.46	18.46	15.59	66.4	17.78	-2.9	-2.2
Bajra	76.66	60.94	67.97	88.7	60.45	7.0	7.5
Maize	73.30	72.93	75.68	103.3	80.84	2.8	-5.2
Total Coarse Cereals	192.06	162.92	167.50	87.2	169.98	4.6	-2.5
Total Cereals	588.01	461.54	487.79	83.0	483.99	26.3	3.8
Tur	39.24	36.56	39.91	101.7	49.08	3.3	-9.2
Urad	24.79	24.53	38.30	154.5	31.64	13.8	6.7
Moong	23.41	23.36	29.96	128.0	31.17	6.6	-1.2
Kulthi	2.40	0.33	0.22	9.2	0.48	-0.1	-0.3
Others	15.74	16.07	19.10	121.3	17.22	3.0	1.9
Total Pulses	105.58	100.86	127.48	120.7	129.59	26.6	-2.1
Total Foodgrains	693.59	562.40	615.27	88.7	613.58	52.9	1.7
Groundnut	41.49	36.29	36.50	88.0	42.02	0.2	-5.5
Soyabean	110.36	109.68	101.59	92.1	111.91	-8.1	-10.3
Sunflower	2.29	1.35	1.16	50.7	1.42	-0.2	-0.3
Sesamum	17.97	13.08	11.36	63.2	12.74	-1.7	-1.4
Nigerseed	2.92	0.73	0.66	22.7	0.44	-0.1	0.2
Castorseed	11.84	3.57	3.01	25.4	2.63	-0.6	0.4
Total Oilseeds	186.86	164.71	154.29	82.56	171.15	-10.4	-16.9
Cotton	122.45	109.16	117.11	95.6	99.03	8.0	18.1
Sugarcane	50.05	49.47	49.73	99.4	45.64	0.3	4.1
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>893.66</b>	<b>943.45</b>	<b>88.9</b>	<b>936.95</b>	<b>49.8</b>	<b>6.5</b>

Source: Crops & TMOP Divisions, DAC&FW



6. Progressive procurement of Rice as on 11.08.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 11.08.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.15	43.26
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	3.09	2.30
Odisha	31.00	36.30	33.69
Punjab	94.50	110.52	93.50
Tamil Nadu	15.00	1.44	11.39
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	387.32	341.12

7. Progressive procurement of Wheat as on 11.08.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 11.08.2017	
		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