

**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: 07.08.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 04.08.2017.**

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

- *In the monsoon season, at All-India level, the rainfall during the week (27<sup>th</sup> July, 2017 – 02<sup>nd</sup> August, 2017) has been 27% 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 42% in South Peninsula, 35% in Central India, 33% in East & North East India and 01% in North West India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01<sup>st</sup> June to 02<sup>nd</sup> August, 2017 has been equal to Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher than LPA by 16% in North West India and 05% in Central India but lower than LPA by 18% in South Peninsula and 8% 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, 03 met subdivisions constituting 14% of the total area of the country has received excess rainfall, 23 met sub-divisions constituting 59% of the total area of the country has received normal rainfall and 08 met sub-divisions constituting 18% 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 03<sup>rd</sup> August, 2017 has been 67.68 BCM as against 65.11 BCM on 03.08.2016 (last year) and 69.51 BCM of normal (average of the last 10 years) storage. Current year's storage is 104% of last year's storage and 97% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 83% of the normal area under Kharif crops has been sown upto 04.08.2017. Area sown under all Kharif crops taken together has been reported to be 878.23 lakh hectares at All India level as compared to 855.85 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 10.9 lakh ha. under Rice, 6.4 lakh ha. under Bajra, 1.7 lakh ha. under Maize, 3.6 lakh ha. under Tur, 13.8 lakh ha. under Urad, 7.0 lakh ha. under Moong, 0.9 lakh ha. under Groundnut, 7.6 lakh ha. under Cotton and lower by 2.6 lakh ha. under Jowar, 8.8 lakh ha. under Soyabean, 1.0 lakh ha. under Sesamum.*
- *All-India progressive procurement of Rice as on 04.08.2017 for 2016-17 was 387.26 lakh tonnes against the procurement of 341.03 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 02<sup>nd</sup> August, 2017**

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

- **Rainfall during the week (27<sup>th</sup> July, 2017 to 02<sup>nd</sup> August, 2017)** Rainfall was large excess/excess in 04 subdivision, normal in 09 and deficient/large deficient in 23 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June, 2017 to 02<sup>nd</sup> August, 2017)** Rainfall was large excess/excess in 05, normal in 23 and 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 (02.08.2017)				Cumulative (01.06.17 to 02.08.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	54.0	54.6	-1	N	354.0	304.3	16	N
Central India	50.1	76.9	-35	D	538.6	511.1	5	N
South Peninsular India	27.8	47.6	-42	D	323.3	392.1	-18	N
East & North-East India	58.9	88.5	-33	D	746.8	810.1	-8	N
Country as a whole	48.3	66.2	-27	D	472.7	471.8	0	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 02<sup>nd</sup> Aug., 2017**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> June to 02 <sup>nd</sup> August, 2017					
	01 AUG 2012	31 JUL 2013	30 JUL 2014	05 AUG 2015	03 AUG 2016	02 AUG 2017
Large Excess	-	-	-	-	-	02
Excess	00	17	00	07	11	03
Normal	16	13	15	14	18	23
<b>Total</b>	<b>16</b>	<b>30</b>	<b>15</b>	<b>21</b>	<b>29</b>	<b>28</b>
Deficient	16	06	21	15	07	08
Large Deficient	-	-	-	-	-	00
Scanty	04	00	00	00	00	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>20</b>	<b>06</b>	<b>21</b>	<b>15</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>(-) 19%</b>	<b>17%</b>	<b>(-) 23%</b>	<b>(-) 6%</b>	<b>1%</b>	<b>0%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 04<sup>th</sup> Aug., 2017 to 08<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>27 JULY</b>	<b>28 JULY</b>	<b>29 JULY</b>	<b>30 JULY</b>	<b>31 JULY</b>	<b>01 AUG</b>	<b>02 AUG</b>
1	ANDAMAN & NICO.ISLANDS	WS	WS	FWS	FWS	SCT	SCT	FWS
2	ARUNACHAL PRADESH	FWS	SCT	WS*	SCT	FWS	SCT	FWS*
3	ASSAM & MEGHALAYA	FWS	SCT	FWS	SCT	SCT	FWS	FWS
4	NAGA.MANI.MIZO.& TRIPURA	FWS	FWS	FWS	FWS	SCT	FWS	SCT
5	SUB-HIM.W. BENG. & SIKKIM	WS	FWS	FWS	FWS	FWS	FWS	WS*
6	GANGETIC WEST BENGAL	WS	SCT	ISOL	FWS	SCT	SCT	SCT
7	ODISHA	FWS	SCT	ISOL	SCT	FWS	FWS	SCT
8	JHARKHAND	FWS	SCT	ISOL	WS*	SCT	SCT	SCT
9	BIHAR	SCT	ISOL	ISOL	WS*	SCT	SCT	SCT
10	EAST UTTAR PRADESH	SCT	SCT	ISOL	SCT	SCT	SCT	SCT
11	WEST UTTAR PRADESH	SCT	SCT	ISOL	ISOL	SCT	FWS	FWS
12	UTTARAKHAND	FWS	SCT	WS	WS	WS*	WS	FWS
13	HARYANA CHD. & DELHI	ISOL	ISOL	ISOL	ISOL	SCT	FWS*	FWS
14	PUNJAB	ISOL	SCT	ISOL	ISOL	SCT	FWS	WS**
15	HIMACHAL PRADESH	SCT	SCT	WS*	FWS	WS*	WS*	WS
16	JAMMU & KASHMIR	ISOL	SCT	SCT	SCT	SCT	FWS	SCT
17	WEST RAJASTHAN	SCT	SCT	FWS**	FWS**	SCT	ISOL	ISOL
18	EAST RAJASTHAN	FWS	SCT	WS**	SCT	SCT	SCT	SCT
19	WEST MADHYA PRADESH	WS	WS*	WS*	SCT	ISOL	SCT	SCT
20	EAST MADHYA PRADESH	WS	WS*	SCT	ISOL	SCT	SCT	SCT
21	GUJARAT REGION D.D. & N.H.	WS*	WS*	WS	WS	FWS	SCT	SCT
22	SAURASTRA KUTCH & DIU	WS*	WS*	FWS	SCT	SCT	SCT	ISOL
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	FWS	FWS	FWS*	FWS	SCT	SCT	SCT
25	MARATHAWADA	ISOL	SCT	SCT	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	WS	FWS	FWS	SCT	ISOL	ISOL	ISOL
27	CHHATTISGARH	WS*	FWS	SCT	ISOL	SCT	SCT	SCT
28	COASTAL ANDHRA PRADESH	ISOL	SCT	SCT	ISOL	FWS	ISOL	SCT
29	TELANGANA	ISOL	SCT	SCT	ISOL	ISOL	SCT	SCT
30	RAYALASEEMA	ISOL	ISOL	ISOL	ISOL	FWS*	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	SCT	ISOL	SCT	SCT	FWS**
32	COASTAL KARNATAKA	WS	WS	WS	WS	WS	WS	FWS
33	NORTH INT.KARNATAKA	ISOL	ISOL	SCT	SCT	ISOL	ISOL	ISOL
34	SOUTH INT.KARNATAKA	SCT	FWS	SCT	SCT	SCT	SCT	ISOL
35	KERALA	FWS	WS	WS	ISOL	ISOL	FWS	SCT
36	LAKSHADWEEP	WS	WS	SCT	FWS	WS	SCT	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 $1\frac{1}{2}$ - 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-Aug Today	05Aug Sat	06Aug Sun	07Aug Mon	08Aug Tue
1. Andaman & Nicobar Islands	FWS	WS	WS	FWS	FWS
2. Arunachal Pradesh	FWS	FWS	FWS	WS	WS
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	WS	WS	WS	FWS	FWS
7. Odisha	FWS	FWS	FWS	FWS	FWS
8. Jharkhand	WS	WS	WS	WS	WS
9. Bihar	WS	WS	WS	WS	WS
10. East Uttar Pradesh	FWS	FWS	FWS	WS	WS
11. West Uttar Pradesh	FWS	FWS	FWS	FWS	FWS
12. Uttarakhand	WS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	ISOL	SCT	SCT	FWS	FWS
14. Punjab	ISOL	ISOL	ISOL	SCT	SCT
15. Himachal Pradesh	FWS	FWS	FWS	WS	WS
16. Jammu & Kashmir	SCT	SCT	ISOL	SCT	SCT
17. West Rajsthan	DRY	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	ISOL	ISOL	ISOL	SCT	SCT
19. West Madhya Pradesh	ISOL	ISOL	SCT	FWS	FWS
20. East Madhya Pradesh	ISOL	SCT	FWS	WS	WS
21. Gujarat Region	ISOL	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	SCT
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	ISOL	ISOL	SCT	SCT	SCT
27. Chhattisgarh	SCT	SCT	WS	WS	WS
28. Coastal Andhra Pradesh	ISOL	SCT	SCT	FWS	FWS
29. Telangana	ISOL	SCT	SCT	SCT	SCT
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	SCT	SCT	SCT	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	SCT	SCT	SCT	SCT
34. South Interior Karnataka	FWS	FWS	FWS	FWS	FWS
35. Kerala	WS	WS	WS	WS	WS
36. Lakshadweep	FWS	FWS	FWS	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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

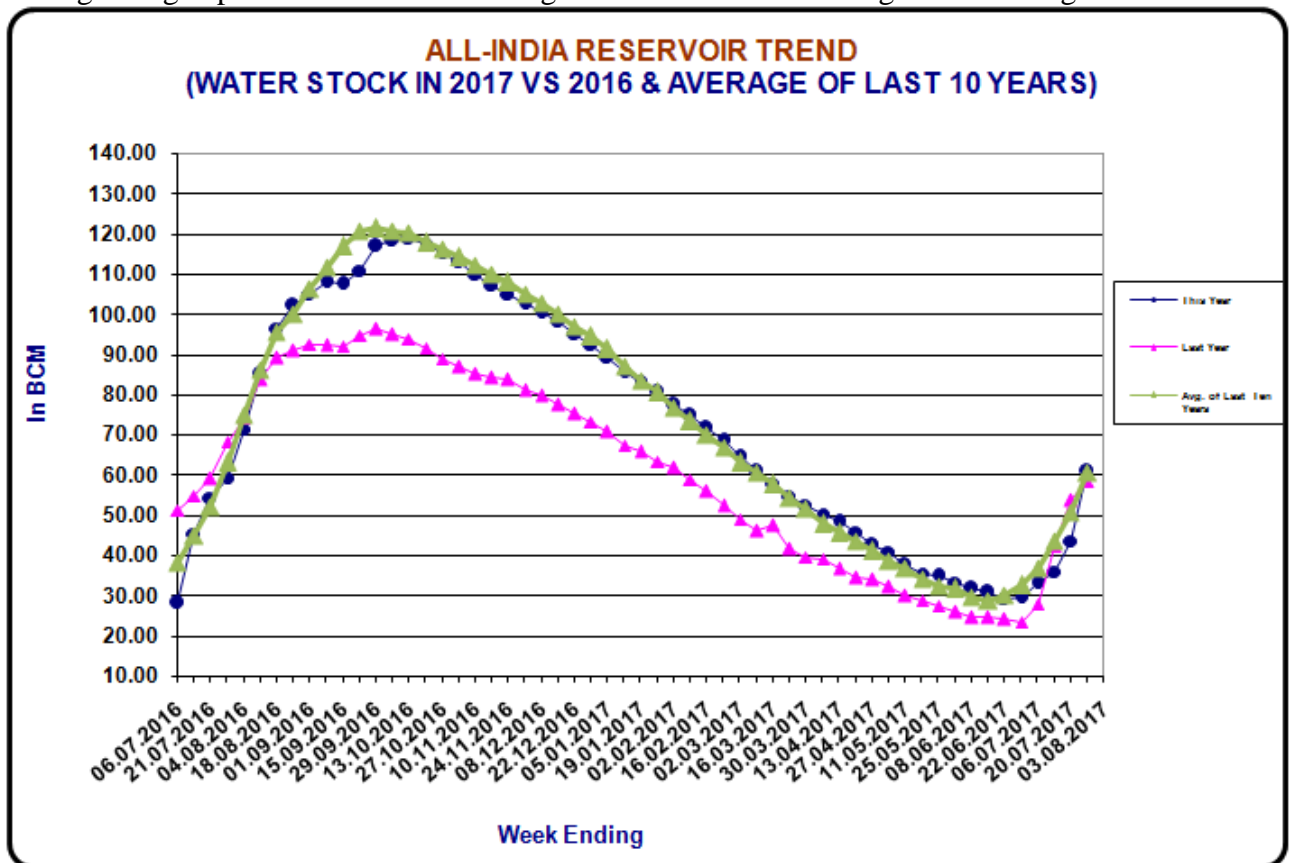
## 2. Reservoir Status (For the week ending on 03.08.2017)

- **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 67.68 BCM from the previous week's level of 59.48 BCM. Current storage is higher than the last year's position of 65.11 BCM and the average of last 10 year's storage of 69.51 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	43	104	97
Last Week	38	102	98
The percentage to live capacity at FRL was 41% on 03/08/2016, 47% on 03/08/2015, 50% on 03/08/2014 and 64% on 03/08/2013.			
<i>Source: CWC</i>			

There were 58 reservoirs having storage more than 80% of normal storage, 11 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 31.07.2017)**

*(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 31.07.2017	10516	3310	1259	3213	1382
Sales upto 31.07.2017	8891	2439	977	2092	1099
Closing Stock upto 31.07.2017	1625	871	282	1121	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 04.08.2017							
(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	269.09	280.03	70.7	266.93	10.9	13.1
Jowar	23.46	17.31	14.70	62.7	16.73	-2.6	-2.0
Bajra	76.66	57.09	63.50	82.8	54.95	6.4	8.6
Maize	73.30	70.59	72.31	98.7	76.97	1.7	-4.7
<b>Total Coarse Cereals</b>	<b>192.06</b>	<b>153.37</b>	<b>156.95</b>	<b>81.7</b>	<b>156.81</b>	<b>3.6</b>	<b>0.1</b>
<b>Total Cereals</b>	<b>588.01</b>	<b>422.46</b>	<b>436.98</b>	<b>74.3</b>	<b>423.74</b>	<b>14.5</b>	<b>13.2</b>
Tur	39.24	33.95	37.51	95.6	45.19	3.6	-7.7
Urad	24.79	22.31	36.14	145.8	28.29	13.8	7.9
Moong	23.41	21.86	28.89	123.4	28.31	7.0	0.6
Kulthi	2.40	0.30	0.20	8.3	0.47	-0.1	-0.3
Others	15.74	14.01	18.55	117.8	14.69	4.5	3.9
<b>Total Pulses</b>	<b>105.58</b>	<b>92.43</b>	<b>121.28</b>	<b>114.9</b>	<b>116.95</b>	<b>28.9</b>	<b>4.3</b>
<b>Total Foodgrains</b>	<b>693.59</b>	<b>514.89</b>	<b>558.26</b>	<b>80.5</b>	<b>540.69</b>	<b>43.4</b>	<b>17.6</b>
Groundnut	41.49	34.09	34.99	84.3	40.21	0.9	-5.2
Soyabean	110.36	107.77	98.97	89.7	110.45	-8.8	-11.5
Sunflower	2.29	1.23	1.15	50.2	1.32	-0.1	-0.2
Sesamum	17.97	11.53	10.50	58.4	11.64	-1.0	-1.1
Nigerseed	2.92	0.52	0.55	18.9	0.35	0.0	0.2
Castorseed	11.84	2.15	2.72	23.0	1.53	0.6	1.2
<b>Total Oilseeds</b>	<b>186.86</b>	<b>157.28</b>	<b>148.88</b>	<b>79.67</b>	<b>165.49</b>	<b>-8.4</b>	<b>-16.6</b>
Cotton	122.45	106.75	114.34	93.4	96.48	7.6	17.9
Sugarcane	50.05	49.05	49.71	99.3	45.64	0.7	4.1
Jute & Mesta	8.39	7.92	7.04	83.9	7.55	-0.9	-0.5
<b>All- Crops</b>	<b>1061.34</b>	<b>835.89</b>	<b>878.23</b>	<b>82.7</b>	<b>855.85</b>	<b>42.3</b>	<b>22.4</b>

Source: Crops & TMOP Divisions, DAC



6. Progressive procurement of Rice as on 04.08.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 04.08.2017	
		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	3.06	2.30
Odisha	31.00	36.30	33.69
Punjab	94.50	110.52	93.50
Tamil Nadu	15.00	1.42	11.32
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	387.26	341.03

7. Progressive procurement of Wheat as on 04.08.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 04.08.2017	
		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