

**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: 18.07.2017

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 14.07.2017.**

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

- *In the monsoon season, at All-India level, the rainfall during the week (06<sup>th</sup> July, 2017 – 12<sup>th</sup> July, 2017) has been 19% 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 23% in East & North East India and 4% in North West India but lower than LPA by 52% in Central India and 45% in South Peninsula.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01<sup>st</sup> June to 12<sup>th</sup> July, 2017 has been 1% 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 33% in North West India but lower than LPA by 10% in South Peninsula, 9% in Central India and 4% in East & North East India.*
- *Out of 36 met sub-divisions, 02 met subdivisions constituting 13% of the total area of the country has received large excess, 05 met subdivisions constituting 09% of the total area of the country has received excess rainfall, 24 met sub-divisions constituting 64% of the total area of the country has received normal rainfall and 05 met sub-divisions constituting 14% of the total area of the country has received deficient.*
- *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 13<sup>th</sup> July, 2017 has been 36.11 BCM as against 42.41 BCM on 13.07.2016 (last year) and 43.79 BCM of normal (average of the last 10 years) storage. Current year's storage is 85% of last year's storage and 82% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 53% of the normal area under Kharif crops has been sown upto 14.07.2017. Area sown under all Kharif crops taken together has been reported to be 563.17 lakh hectares at All India level as compared to 521.80 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 17.5 lakh ha. under Bajra, 3.7 lakh ha. under Maize, 2.5 lakh ha. under Tur, 10.5 lakh ha. under Urad, 7.3 lakh ha. under Moong, 3.4 lakh ha. under Groundnut, 2.1 lakh ha. under Soyabean, 9.4 lakh ha. under Cotton, 2.9 lakh ha. under Sugarcane and lower by 6.8 lakh ha. under Rice.*

- *Higher production of pulses expected this year on account of higher area coverage under pulses this year as compared to the corresponding period of last year.*
- *All-India progressive procurement of Rice as on 14.07.2017 for 2016-17 was 386.72 lakh tonnes against the procurement of 340.78 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 12<sup>th</sup> July, 2017**

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

- **Rainfall during the week (06<sup>th</sup> July, 2017 to 12<sup>th</sup> July, 2017)** Rainfall was large excess/excess in 06 subdivision, normal in 05 and deficient/large deficient in 25 subdivision out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June, 2017 to 12<sup>th</sup> July, 2017)** Rainfall was large excess/excess in 07, normal in 24 and deficient in 05 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 (12.07.2017)				Cumulative (01.06.17 to 12.07.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	48.4	46.5	4	N	186.9	141.0	33	E
Central India	34.1	70.7	-52	D	258.4	283.5	-9	N
South Peninsular India	26.6	48.3	-45	D	219.3	242.6	-10	N
East & North-East India	127.6	103.6	23	E	508.8	528.8	-4	N
Country as a whole	51.9	64.1	19	N	268.7	270.8	-1	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 12<sup>th</sup> July, 2017**

No. of Sub-Divisions with rainfall	<i>For the period from 1<sup>st</sup> June to 12<sup>th</sup> July, 2017</i>					
	11 JUL 2012	10 JUL 2013	09 JUL 2014	15 JUL 2015	13 JUL 2016	12 JUL 2017
Large Excess	-	-	-	-	-	02
Excess	00	20	00	04	11	05
Normal	15	11	07	20	19	24
<b>Total</b>	<b>15</b>	<b>31</b>	<b>07</b>	<b>24</b>	<b>30</b>	<b>31</b>
Deficient	17	05	20	12	06	05
Large Deficient	-	-	-	-	-	-
Scanty	04	00	09	00	00	00
No rain	00	00	00	00	00	00
<b>Total</b>	<b>21</b>	<b>05</b>	<b>29</b>	<b>12</b>	<b>06</b>	<b>05</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>(-) 22%</b>	<b>19%</b>	<b>(-) 43%</b>	<b>(-) 6%</b>	<b>4%</b>	<b>(-) 1%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 17<sup>th</sup> July, 2017 to 21<sup>st</sup> July, 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

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METEOROLOGICAL SUB-DIVISIONWISE DISTRIBUTION OF REALISED RAINFALL -2017								
Sr.No	MET. SUB-DIVISIONS	08 JUL	07 JUL	08 JUL	09 JUL	10 JUL	11 JUL	12 JUL
1	ANDAMAN & NICOL ISLANDS	WS	WS	WS*	WS	SCI	FWS	FWS
2	ARUNACHAL PRADESH	WS	WS	FWS	WS*	WS*	WS*	SCI
3	ASSAM & MIZORAM	WS	FWS	FWS	WS*	WS*	WS	FWS
4	ARUNACHAL PRADESH	WS	FWS	SCI	FWS	WS	WS	WS
5	SUB-HIMALY. BENG. & SIKKIM	WS	WS	FWS	WS*	WS*	WS	WS
6	GANGDUG WEST BENGAL	FWS	FWS	WS	SCI	FWS	WS	WS*
7	ODISHA	ISOL	SCI	FWS	FWS	FWS	FWS	FWS
8	JHARKHAND	WS	FWS	SCI	SCI	FWS	WS	FWS
9	BIHAR	WS*	WS	FWS	SCI	WS*	WS*	WS*
10	EAST UTTAR PRADESH	WS*	WS	FWS	SCI	WS*	WS*	WS
11	WEST UTTAR PRADESH	SCI	SCI	SCI	DRY	ISOL	FWS*	SCI
12	UTTARANCHAL	WS*	WS*	WS	SCI	FWS	WS*	WS*
13	HARYANA CHD. & DELHI	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	FWS
14	PUNJAB	SCI	FWS	ISOL	ISOL	ISOL	ISOL	FWS*
15	HIMACHAL PRADESH	SCI	SCI	ISOL	DRY	FWS*	WS*	WS*
16	JAMMU & KASHMIR	SCI	SCI	ISOL	ISOL	SCI	FWS	WS*
17	WEST RAJASTHAN	DRY	DRY	ISOL	DRY	DRY	DRY	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	SCI	SCI
20	EAST MADHYA PRADESH	SCI	ISOL	ISOL	SCI	WS	WS	WS*
21	GUJARAT REGION (D. & N.H.)	ISOL	ISOL	SCI	ISOL	ISOL	SCI	FWS*
22	SALVASKHA KUTCH & DIU	ISOL	ISOL	ISOL	SCI	SCI	SCI	SCI
23	KONKAN & GOA	WS	WS	WS	WS	WS	WS	WS
24	MADHYA MAHARASHTRA	SCI	ISOL	SCI	ISOL	ISOL	SCI	SCI
25	MARATHWADA	ISOL	ISOL	SCI	ISOL	ISOL	SCI	ISOL
26	VIDARSHA	ISOL	ISOL	ISOL	ISOL	ISOL	FWS	FWS
27	CHHATTISGARH	FWS	SCI	ISOL	SCI	WS*	WS	WS
28	COASTAL ANDHRA PRADESH	ISOL	SCI	SCI	SCI	ISOL	SCI	FWS
29	TELANGANA	SCI	SCI	SCI	ISOL	SCI	FWS	SCI
30	KARNATAKA	ISOL	SCI	SCI	ISOL	SCI	ISOL	FWS*
31	TAMILNADU & PUDUCHERRY	ISOL	SCI	ISOL	ISOL	ISOL	ISOL	SCI
32	COASTAL KARNATAKA	WS	WS	WS	WS	FWS	WS	WS
33	NORTH INT. KARNATAKA	FWS	SCI	ISOL	SCI	SCI	SCI	FWS
34	SOUTH INT. KARNATAKA	FWS	SCI	SCI	SCI	ISOL	SCI	FWS
35	KERALA	WS	WS	WS	WS	WS	WS	FWS
36	LAKSHADWEEP	WS	SCI	FWS	WS	WS	WS	WS
<b>LEGENDS:</b>								
WS	WIDESPREAD / MOST PLACES (76-100%)	FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)					
SCI	SCATTERED / FEW PLACES (26% to 50%)	ISOL	ISOLATED (up to 25%)		DRY	NO RAIN OR REPORTED RAINFALL		
* ACTIVE (RF 1 <sup>st</sup> - 4 times the normal with WS/FWS, at least 2 stations should be 5 cm. along west coast & 3 cm. elsewhere)								
** VICARIOUS (RF More than 4 times the normal with WS/FWS, at least 2 stations should be 8 cm. along west coast & 5 cm. elsewhere)								
■ Heavy Rainfall (64.5-115.5 mm)			■ Heavy to Very Heavy Rainfall (115.6-204.4 mm)			■ Extremely Heavy Rainfall (204.5 mm. or more)		

Table: 1.4

Met-Sub-Division	17-Jul Today	18Jul Tue	19Jul Wed	20Jul Thu	21Jul Fri
1. Andaman & Nicobar Islands	WS	WS	FWS	FWS	FWS
2. Arunachal Pradesh	ISOL	SCT	SCT	FWS	FWS
3. Assam & Meghalaya	SCT	SCT	FWS	FWS	FWS
4. N. M. M. & T.	SCT	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	SCT	SCT	FWS	WS	FWS
6. Gangetic West Bengal	WS	FWS	FWS	WS	FWS
7. Odisha	WS	WS	WS	WS	WS
8. Jharkhand	FWS	FWS	WS	WS	WS
9. Bihar	SCT	SCT	FWS	FWS	FWS
10. East Uttar Pradesh	SCT	SCT	FWS	WS	WS
11. West Uttar Pradesh	SCT	FWS	FWS	FWS	FWS
12. Uttarakhand	WS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	SCT	FWS	WS	WS	FWS
14. Punjab	SCT	FWS	WS	WS	FWS
15. Himachal Pradesh	WS	WS	WS	WS	WS
16. Jammu & Kashmir	FWS	WS	WS	FWS	FWS
17. West Rajsthan	SCT	SCT	SCT	SCT	SCT
18. East Rajasthan	SCT	FWS	FWS	WS	WS
19. West Madhya Pradesh	FWS	FWS	FWS	WS	WS
20. East Madhya Pradesh	FWS	FWS	WS	WS	WS
21. Gujarat Region	SCT	SCT	SCT	FWS	FWS
22. Saurashtra & Kutch	SCT	SCT	SCT	SCT	SCT
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	FWS	WS	WS	FWS	FWS
25. Marathawada	SCT	SCT	SCT	SCT	SCT
26. Vidharbha	FWS	WS	WS	WS	WS
27. Chhattisgarh	WS	WS	WS	WS	WS
28. Coastal Andhra Pradesh	WS	WS	FWS	FWS	FWS
29. Telangana	FWS	FWS	WS	WS	WS
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puduchery	ISOL	ISOL	ISOL	SCT	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	FWS	FWS	FWS	FWS	FWS
34. South Interior Karnataka	FWS	WS	WS	FWS	SCT
35. Kerala	WS	WS	FWS	FWS	FWS
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		

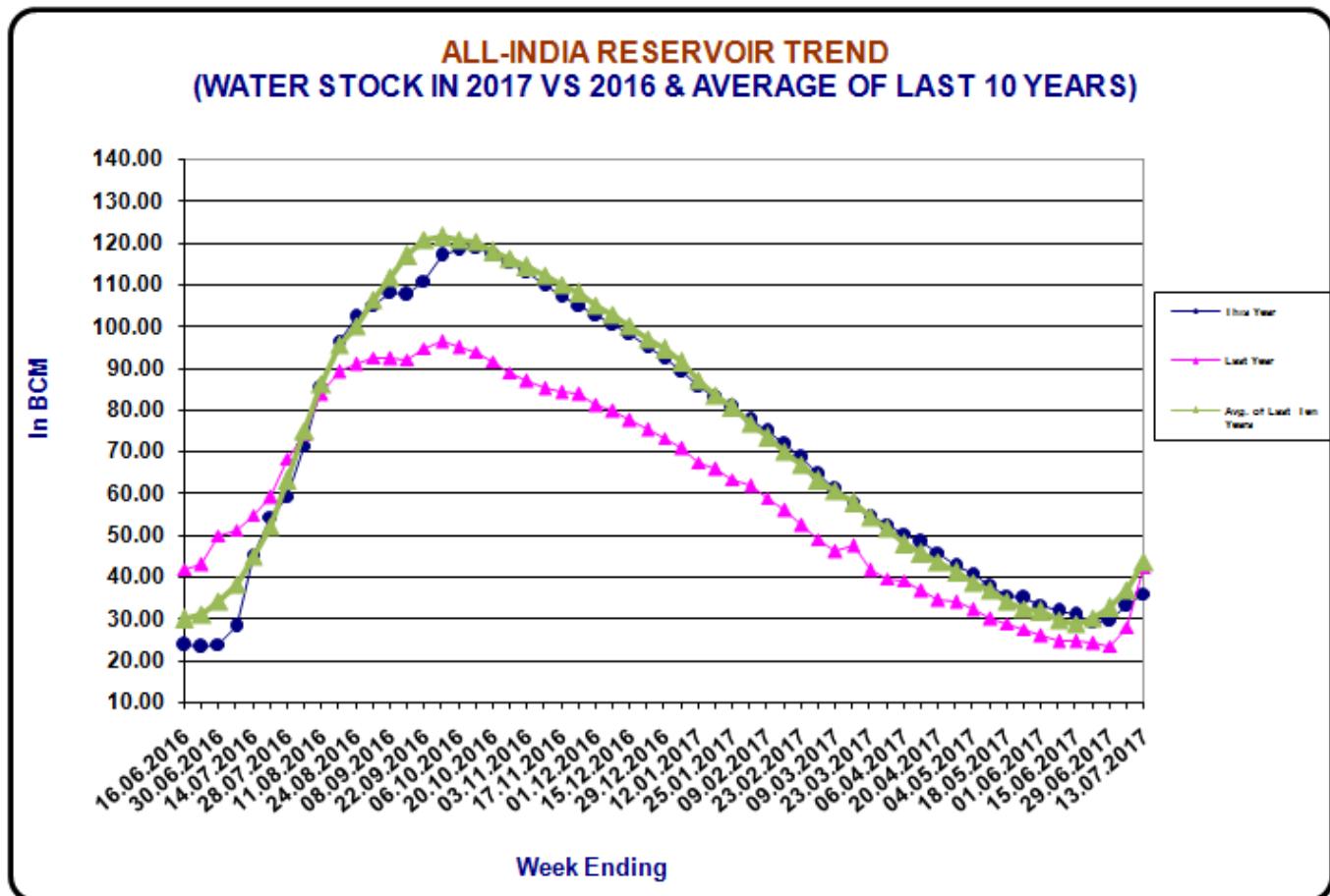
## 2. Reservoir Status (For the week ending on 13.07.2017)

- **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 36.11 BCM from the previous week's level of 33.11 BCM. Current storage is higher than the last year's position of 42.41 BCM and lower than the average of last 10 year's storage of 43.79 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	23	85	82
Last Week	21	118	90
The percentage to live capacity at FRL was 27% on 13/07/2016, 33% on 13/07/2015, 24% on 13/07/2014 and 37% on 13/07/2013.			
<i>Source: CWC</i>			

There were 38 reservoirs having storage more than 80% of normal storage, 22 reservoirs having storage between 50% to 80%, 14 reservoir having storage between 30% to 50%, 17 reservoirs having storage upto 30% of Normal Storage and 04 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 13.07.2017)**

*(in '000 Tonnes)*

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2017	1340	586	76	692	214
Requirement for Kharif, 2017	14424	4791	1720	4773	2591
Requirement upto July, 2017	2845	907	365	1030	517
Availability upto 13.07.2017	8264	2699	1011	2119	1173
Sales upto 13.07.2017	5820	1873	786	1023	886
Closing Stock upto 13.07.2017	2444	826	225	1096	286

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 14.07.2017							
(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	132.54	125.77	31.8	120.32	-6.8	5.5
Jowar	23.46	10.15	10.20	43.5	9.85	0.0	0.4
Bajra	76.66	29.72	47.26	61.6	30.19	17.5	17.1
Maize	73.30	48.84	52.49	71.6	55.49	3.7	-3.0
<b>Total Coarse Cereals</b>	<b>192.06</b>	<b>92.70</b>	<b>113.06</b>	<b>58.9</b>	<b>98.79</b>	<b>20.4</b>	<b>14.3</b>
<b>Total Cereals</b>	<b>588.01</b>	<b>225.24</b>	<b>238.83</b>	<b>40.6</b>	<b>219.11</b>	<b>13.6</b>	<b>19.7</b>
Tur	39.24	18.75	21.28	54.2	23.41	2.5	-2.1
Urad	24.79	10.30	20.83	84.0	13.54	10.5	7.3
Moong	23.41	11.68	18.96	81.0	17.59	7.3	1.4
Kulthi	2.40	0.10	0.11	4.6	0.14	0.0	0.0
Others	15.74	4.91	13.44	85.4	5.60	8.5	7.8
<b>Total Pulses</b>	<b>105.58</b>	<b>45.74</b>	<b>74.61</b>	<b>70.7</b>	<b>60.28</b>	<b>28.9</b>	<b>14.3</b>
<b>Total Foodgrains</b>	<b>693.59</b>	<b>270.99</b>	<b>313.44</b>	<b>45.2</b>	<b>279.39</b>	<b>42.5</b>	<b>34.1</b>
Groundnut	41.49	20.97	24.40	58.8	26.41	3.4	-2.0
Soyabean	110.36	71.32	73.44	66.5	83.14	2.1	-9.7
Sunflower	2.29	0.72	0.69	30.1	0.99	0.0	-0.3
Sesamum	17.97	3.78	4.64	25.8	4.63	0.9	0.0
Nigerseed	2.92	0.19	0.19	6.5	0.17	0.0	0.0
Castorseed	11.84	0.71	0.57	4.8	0.40	-0.1	0.2
<b>Total Oilseeds</b>	<b>186.86</b>	<b>97.70</b>	<b>103.92</b>	<b>55.60</b>	<b>115.75</b>	<b>6.2</b>	<b>-11.8</b>
Cotton	122.45	81.49	90.88	74.2	73.93	9.4	17.0
Sugarcane	50.05	45.00	47.94	95.8	45.22	2.9	2.7
Jute & Mesta	8.39	7.86	6.98	83.2	7.51	-0.9	-0.5
<b>All- Crops</b>	<b>1061.34</b>	<b>503.03</b>	<b>563.17</b>	<b>53.1</b>	<b>521.80</b>	<b>60.1</b>	<b>41.4</b>

Source: Crops & TMOP Divisions, DAC



6. Progressive procurement of Rice as on 14.07.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 14.07.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	37.14	43.28
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	2.29
Odisha	31.00	35.80	33.69
Punjab	94.50	110.52	93.50
Tamil Nadu	15.00	1.42	11.10
Uttar Pradesh	33.50	23.54	29.10
Uttrakhand	6.00	7.06	5.97
West Bengal	25.00	19.22	15.45
All-India	380.00	386.72	340.78

7. Progressive procurement of Wheat as on 14.07.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 14.07.2017	
		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