

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: 29.06.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 23.06.2017.

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (15th June, 2017 – 21st June, 2017) has been 11% 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 35% in North West India & 2% in East & North East India but lower than LPA by 38% in Central India and 9% in South Peninsula.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June to 21st June, 2017 has been 4% higher 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 30% in North West India & 12% in South Peninsula but lower than LPA by 4% in East & North East India and 2% in Central India .*
- *Out of 36 met sub-divisions, 08 met subdivisions constituting 24% of the total area of the country has received large excess, 07 met subdivisions constituting 20% of the total area of the country has received excess rainfall, 11 met sub-divisions constituting 28% of the total area of the country has received normal rainfall and 10 met sub-divisions constituting 28% 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 22nd June, 2017 has been 29.41 BCM as against 24.12 BCM on 22.06.2016 (last year) and 30.12 BCM of normal (average of the last 10 years) storage. Current year's storage is 122% of last year's storage and 98% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 12.3% of the normal area under Kharif crops has been sown upto 23.06.2017. Area sown under all Kharif crops taken together has been reported to be 130.74 lakh hectares at All India level as compared to 119.28 lakh hectares in the corresponding period of last year.*

- *All-India progressive procurement of Rice as on 23.06.2017 for 2016-17 was 385.29 lakh tonnes against the procurement of 340.12 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 307.91 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 21st June, 2017

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

- **Rainfall during the week (15th June, 2017 to 21st June, 2017)** Rainfall was large excess/excess in 12 subdivision, normal in 08 and deficient/large deficient in 16 subdivision out of 36 meteorological sub-divisions. (Sub-division wise weekly rainfall distribution is given in **Annex I**).
- **Cumulative rainfall (01st June, 2017 to 21st June, 2017)** Rainfall was large excess/excess in 15, normal in 11 and deficient in 10 sub-divisions out of 36 meteorological sub-divisions. (The sub-division-wise seasonal rainfall distribution is given in **Annex II**).

Table - 1.2: Weekly and Cumulative Rainfall in four regions of the country¹

Region	Week Ending (21.06.2017)				Cumulative (01.06.17 to 21.06.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	19.9	14.7	35	E	45.7	35.3	30	E
Central India	27.1	43.7	-38	D	85.8	87.2	-2	N
South Peninsular India	35.3	38.7	-9	N	115.0	103.0	12	N
East & North-East India	92.1	90.0	2	N	220.1	228.7	-4	N
Country as a whole	36.8	41.2	-11	N	100.6	96.9	4	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: 1st June to 21st June, 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st June to 21st June, 2017</i>					
	20 JUN 2012	19 JUN 2013	18 JUN 2014	24 JUN 2015	22 JUN 2016	21 JUN 2017
Large Excess	-	-	-	-	-	08
Excess	03	26	01	16	06	07
Normal	09	06	07	13	17	11
Total	12	32	08	29	23	26
Deficient	16	01	18	05	11	10
Large Deficient	-	-	-	-	-	00
Scanty	08	03	10	02	02	-
No rain	00	00	00	00	00	00
Total	24	04	28	07	13	10
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 26%	54%	(-) 45%	24%	(-) 18%	4%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 27th June, 2017 to 01st 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

METEOROLOGICAL SUB-DIVISIONWISE DISTRIBUTION OF REALISED RAINFALL -2017								
Sr.No	MET.SUB-DIVISIONS	15 JUN	16 JUN	17 JUN	18 JUN	19 JUN	20 JUN	21 JUN
1	ANDAMAN & NICO.ISLANDS	ISOL	DRY	DRY	DRY	ISOL	FWS	FWS
2	ARUNACHAL PRADESH	WS	FWS	WS*	WS	WS*	WS	FWS
3	ASSAM & MEGHALAYA	FWS	WS	WS*	WS	WS	SCT	FWS
4	NAGA.MANI.MIZO.& TRIPURA	SCT	WS	WS*	FWS	WS*	FWS	FWS
5	SUB-HIM.W. BENG. & SIKKIM	FWS	SCT	FWS	FWS	WS*	WS*	WS
6	GANGETIC WEST BENGAL	ISOL	FWS*	SCT	SCT	ISOL	WS**	FWS
7	ODISHA	ISOL	WS*	ISOL	ISOL	SCT	ISOL	WS*
8	JHARKHAND	ISOL	SCT	SCT	ISOL	ISOL	FWS*	FWS*
9	BIHAR	SCT	ISOL	ISOL	DRY	ISOL	FWS*	SCT
10	EAST UTTAR PRADESH	SCT	ISOL	SCT	ISOL	ISOL	SCT	SCT
11	WEST UTTAR PRADESH	ISOL	ISOL	SCT	ISOL	SCT	FWS	SCT
12	UTTARAKHAND	ISOL	SCT	SCT	ISOL	SCT	FWS	FWS
13	HARYANA CHD. & DELHI	ISOL	FWS	SCT	SCT	SCT	FWS	FWS
14	PUNJAB	ISOL	SCT	ISOL	SCT	ISOL	WS	WS
15	HIMACHAL PRADESH	ISOL	SCT	SCT	SCT	FWS	WS	FWS
16	JAMMU & KASHMIR	SCT	ISOL	DRY	ISOL	ISOL	WS	WS
17	WEST RAJASTHAN	ISOL	DRY	DRY	ISOL	DRY	ISOL	WS
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	FWS
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	ISOL	ISOL	ISOL
23	KONKAN & GOA	FWS	FWS	FWS	FWS	WS	WS	WS
24	MADHYA MAHARASHTRA	SCT	SCT	SCT	ISOL	ISOL	ISOL	ISOL
25	MARATHAWADA	ISOL	WS**	ISOL	SCT	ISOL	ISOL	ISOL
26	VIDARBHA	ISOL	FWS*	SCT	ISOL	ISOL	ISOL	ISOL
27	CHHATTISGARH	ISOL	SCT	ISOL	ISOL	SCT	SCT	FWS
28	COASTAL ANDHRA PRADESH	FWS	WS*	SCT	ISOL	FWS*	ISOL	SCT
29	TELANGANA	ISOL	FWS*	ISOL	ISOL	WS**	SCT	SCT
30	RAYALASEEMA	SCT	FWS**	FWS*	SCT	FWS**	SCT	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	ISOL	SCT	ISOL	ISOL	SCT	ISOL
32	COASTAL KARNATAKA	WS	WS*	WS	WS	WS	WS	WS
33	NORTH INT.KARNATAKA	FWS	WS*	SCT	FWS*	FWS*	FWS*	ISOL
34	SOUTH INT.KARNATAKA	SCT	SCT	WS	SCT	SCT	SCT	FWS
35	KERALA	FWS	FWS	FWS	SCT	FWS	FWS	WS
36	LAKSHADWEEP	FWS	FWS	SCT	FWS	WS	WS	FWS
LEGENDS:								
WS	WIDE SPREAD / MOST PLACES (76-100%)	FWS	FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)					
SCT	SCATTERED / FEW PLACES (26% to 50%)	ISOL	ISOLATED (up to 25%)	DRY	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)								
° 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	27-Jun Today	28Jun Wed	29Jun Thu	30Jun Fri	01Jul Sat
1. Andaman & Nicobar Islands	WS	WS	WS	FWS	FWS
2. Arunachal Pradesh	FWS	FWS	WS	WS	WS
3. Assam & Meghalaya	FWS	FWS	FWS	FWS	FWS
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	FWS	FWS	FWS	FWS	FWS
7. Odisha	WS	FWS	WS	WS	WS
8. Jharkhand	WS	FWS	FWS	FWS	FWS
9. Bihar	FWS	WS	WS	WS	WS
10. East Uttar Pradesh	FWS	WS	WS	WS	WS
11. West Uttar Pradesh	FWS	WS	WS	WS	WS
12. Uttarakhand	WS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	FWS	WS	WS	WS	WS
14. Punjab	FWS	WS	WS	WS	WS
15. Himachal Pradesh	WS	WS	WS	WS	WS
16. Jammu & Kashmir	FWS	WS	WS	WS	ISOL
17. West Rajasthan	FWS	FWS	FWS	WS	SCT
18. East Rajasthan	WS	WS	WS	WS	WS
19. West Madhya Pradesh	FWS	WS	WS	WS	WS
20. East Madhya Pradesh	WS	WS	WS	WS	WS
21. Gujarat Region	FWS	WS	WS	WS	WS
22. Saurashtra & Kutch	FWS	WS	WS	WS	WS
23. Konkan & Goa	WS	SCT	WS	WS	WS
24. Madhya Maharashtra	FWS	SCT	SCT	FWS	FWS
25. Marathawada	SCT	SCT	FWS	FWS	FWS
26. Vidharbha	WS	WS	WS	WS	WS
27. Chhattisgarh	WS	WS	WS	WS	WS
28. Coastal Andhra Pradesh	FWS	FWS	FWS	FWS	FWS
29. Telangana	FWS	FWS	FWS	FWS	FWS
30. Rayalaseema	SCT	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	FWS	FWS	FWS	FWS	FWS
34. South Interior Karnataka	FWS	FWS	FWS	FWS	FWS
35. Kerala	WS	WS	WS	WS	SCT
36. Lakshadweep	WS	WS	WS	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		

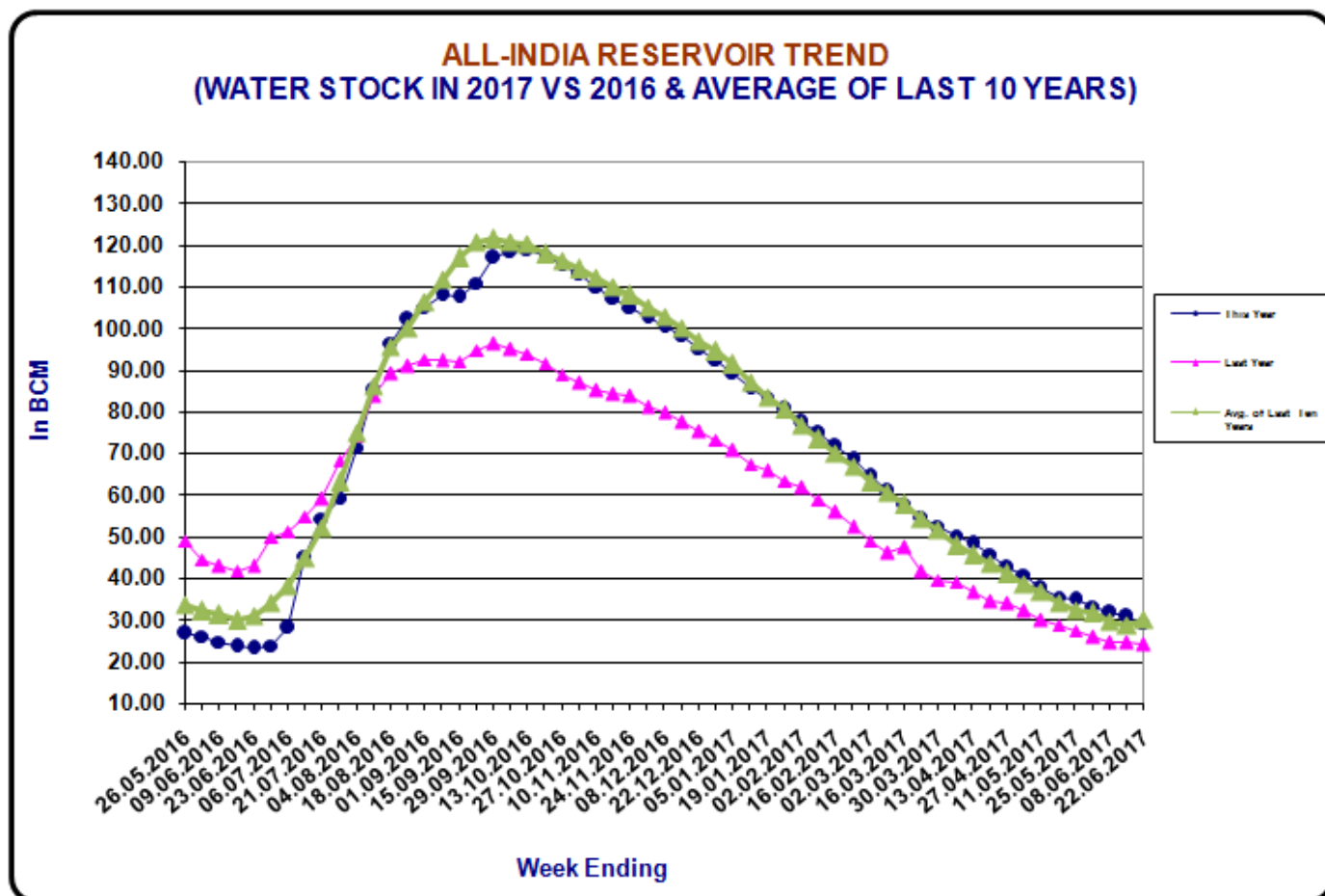
2. Reservoir Status (For the week ending on 22.06.2017)

- **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 decreased to 29.41 BCM from the previous week's level of 30.90 BCM. Current storage is higher than the last year's position of 24.12 BCM and lower than the average of last 10 year's storage of 30.12 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	19	122	98
Last Week	20	126	107
The percentage to live capacity at FRL was 15% on 22/06/2016, 25% on 22/06/2015, 25% on 22/06/2014 and 23% on 22/06/2013.			
<i>Source: CWC</i>			

There were 40 reservoirs having storage more than 80% of normal storage, 16 reservoirs having storage between 50% to 80%, 14 reservoir having storage between 30% to 50%, 21 reservoirs having storage upto 30% of Normal Storage and 05 reservoirs having no live storage.



Source: Central Water Commission

* The State wise details (reservoir position) are given in the **Annex III**.

3. Fertilizer Position:

Table – 3.1: Requirement, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Kharif 2016-17 (As on 22.06.2017)

(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 June, 2017	2717	965	338	949	519
Availability upto 22.06.2017	6502	1954	778	1377	902
Sales upto 22.06.2017	3506	902	412	297	527
Closing Stock upto 22.06.2017	2996	1051	366	1080	376

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

4. Pest & Diseases:

- Incidence of Slug caterpillar on Coconut has been reported in **moderate** intensity in Ferrargunj block of South Andaman district of Andaman & Nicobar Island.
- Incidence of Rugose spiralling whitefly on coconut, guava and banana orchard has been reported in Mulki, Karnad, Kolnad and Dharmastana blocks of Mangalore district of Karnataka State in **traces to low** level. In Tamil Nadu at Polachi and Coimbatore Rugose spiralling whitefly infestation has been drastically reduced to traces due to implementation of IPM activities. High activity of nymphal and pupal parasitoid encarsia sp has been noticed to check the Rugose spiralling whitefly population and keeping the pest under economic threshold level.
- Incidence of Mango nut weevil on Mango has been reported in **traces** in Vizianagaram, West Godavari, Krishna, Prakasham, Chittoor, Kadapa & Kurnool districts of Andhra Pradesh State; in **low** intensity in Krishinagiri district of Tamilnadu State and in **low to moderate** intensity on Mango has been reported in Bengaluru Rural, Kolar, Chikkaballapur & Ramanagara districts of Karnataka State.
- White fly infestation was observed on Fodder Maize in Nagpur district, as White fly is a serious pest of cotton there may be possibility that white fly may migrate to *Kharif* Cotton, therefore, regular monitoring of White fly and control measures may be taken up at this level so further spread of White fly may be prevented to Cotton
- 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 23.06.2017							
(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	12.95	16.70	4.2	15.97	3.8	0.7
Jowar	23.46	1.48	1.42	6.1	1.65	-0.1	-0.2
Bajra	76.66	2.34	4.66	6.1	2.88	2.3	1.8
Maize	73.30	9.04	9.44	12.9	9.50	0.4	-0.1
Total Coarse Cereals	192.06	14.53	17.71	9.2	15.94	3.2	1.8
Total Cereals (kharif)	588.01	27.48	34.41	5.9	31.91	6.9	2.5
Tur	39.24	1.63	1.25	3.2	4.21	-0.4	-3.0
Urad	24.79	0.72	1.15	4.6	1.08	0.4	0.1
Moong	23.41	1.66	1.89	8.1	2.51	0.2	-0.6
Kulthi	2.40	0.03	0.01	0.4	0.03	0.0	0.0
Others	15.74	1.15	1.66	10.6	1.19	0.5	0.5
Total Pulses	105.58	5.18	5.97	5.6	9.01	0.8	-3.0
Total Foodgrains	693.59	32.66	40.38	5.8	40.92	7.7	-0.5
Groundnut	41.49	3.70	4.70	11.3	3.15	1.0	1.6
Soyabean	110.36	8.24	5.67	5.1	3.01	-2.6	2.7
Sunflower	2.29	0.34	0.16	7.0	0.38	-0.2	-0.2
Sesamum	17.97	0.84	0.63	3.5	0.59	-0.2	0.0
Nigerseed	2.92	0.01	0.00	0.1	0.01	0.0	0.0
Castorseed	11.84	0.14	0.08	0.7	0.08	-0.1	0.0
Total Oilseeds	186.86	13.26	11.24	6.00	7.23	-2.0	4.0
Cotton	122.45	34.03	24.70	20.2	19.07	-9.3	5.6
Sugarcane	50.05	44.50	47.52	94.9	44.82	3.0	2.7
Jute & Mesta	8.39	7.55	6.91	82.3	7.24	-0.6	-0.3
All- Crops	1061.34	132.01	130.74	12.3	119.28	-1.3	11.5

Source: Crops & TMOP Divisions, DAC

Note: Area figures are as per eye assessment of State Agriculture Departments.

Normal Area: 5 years average of the area during the period of 2010-11 to 2014-15.

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 23.06.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2016-17 (Oct. – Sept.)	Progressive Procurement as on 23.06.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	42.00	36.97	43.04
Telangana	30.00	35.84	15.79
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	2.98	2.19
Odisha	31.00	34.94	33.69
Punjab	94.50	110.52	93.50
Tamil Nadu	15.00	1.41	10.87
Uttar Pradesh	33.50	23.54	29.10
Uttrakhand	6.00	7.06	5.97
West Bengal	25.00	19.02	15.42
All-India	380.00	385.29	340.12

7. Progressive procurement of Wheat as on 23.06.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2017-18 (April – March)	Progressive Procurement as on 23.06.2017	
		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	12.35	7.62
Uttar Pradesh	30.00	36.99	7.97
All-India	330.00	307.91	229.62