

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: 13.06.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 09.06.2017.

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (01st June, 2017 – 07th June, 2017) has been 18% 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 98% in North West India, 18% in East & North East India, 11% in South Peninsula and lower than LPA by 11% in Central India .*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June to 07th June, 2017 has been 18% higher than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been higher by 98% in North West India, 18% in East & North East India, 11% in South Peninsula but lower than LPA by 11% in Central India.*
- *Out of 36 met sub-divisions, 10 met subdivisions constituting 23% of the total area of the country has received large excess, 07 met subdivisions constituting 25% of the total area of the country has received excess rainfall, 09 met sub-divisions constituting 17% of the total area of the country has received normal rainfall, 08 met sub-divisions constituting 28% of the total area of the country has received deficient and 02 met sub-divisions constituting 07% of the total area of the country has received large deficient rainfall.*
- *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 08th June, 2017 has been 31.86 BCM as against 24.60 BCM on 08.06.2016 (last year) and 29.85 BCM of normal (average of the last 10 years) storage. Current year's storage is 130% of last year's storage and 107% of the average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 7.6% of the normal area under Kharif crops has been sown upto 09.06.2017. Area sown under all Kharif crops taken together has been reported to be 81.40 lakh hectares at All India level as compared to 72.31 lakh hectares in the corresponding period of last year.*

- *All-India progressive procurement of Rice as on 09.06.2017 for 2016-17 was 380.24 lakh tonnes against the procurement of 339.00 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 302.69 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 07th June, 2017**

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

- **Rainfall during the week (01st June, 2017 to 07th June, 2017)** Rainfall was large excess/excess in 17 subdivision, normal in 09 and deficient/large deficient in 10 subdivision out of 36 meteorological sub-divisions. (Sub-division wise weekly rainfall distribution is given in **Annex I**).
- **Cumulative rainfall (01st June, 2017 to 07th June, 2017)** Rainfall was large excess/excess in 17, normal in 09 and deficient/large 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 (07.06.2017)				Cumulative (01.06.17 to 07.06.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	16.0	8.1	98	LE	16.0	8.1	98	LE
Central India	15.1	17.0	-11	N	15.1	17.0	-11	N
South Peninsular India	34.6	31.1	11	N	34.6	31.1	11	N
East & North-East India	71.1	60.2	18	N	71.1	60.2	18	N
Country as a whole	28.1	23.9	18	N	28.1	23.9	18	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 07th June, 2017

No. of Sub-Divisions with rainfall	<i>For the period from 1st June to 07th June, 2017</i>					
	06 JUN 2012	05 JUN 2013	04 JUN 2014	10 JUN 2015	08 JUN 2016	07 JUN 2017
Large Excess	-	-	-	-	-	10
Excess	04	08	08	11	08	07
Normal	04	04	04	06	07	09
Total	08	12	12	17	15	26
Deficient	06	08	08	07	10	08
Large Deficient	-	-	-	-	-	02
Scanty	20	16	16	12	10	-
No rain	02	00	00	00	01	00
Total	28	24	24	19	21	10
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	42%	23%	(-) 44%	0%	(-)19%	18%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 12th to 16th June, 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	01 JUN	02 JUN	03 JUN	04 JUN	05 JUN	06 JUN	07 JUN
1	ANDAMAN & NICO.ISLANDS	FWS	FWS	FWS	FWS	WS	WS*	FWS
2	ARUNACHAL PRADESH	WS*	WS*	WS*	WS*	SCT	ISOL	ISOL
3	ASSAM & MEGHALAYA	WS	WS*	WS*	WS	FWS	ISOL	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	WS*	WS*	WS*	WS**	FWS	ISOL	DRY
5	SUB-HIM.W. BENG. & SIKKIM	ISOL	WS	WS	SCT	WS	FWS	ISOL
6	GANGETIC WEST BENGAL	SCT	FWS	SCT	ISOL	DRY	SCT	ISOL
7	ODISHA	ISOL	SCT	ISOL	ISOL	ISOL	SCT	SCT
8	JHARKHAND	ISOL	ISOL	SCT	DRY	DRY	SCT	SCT
9	BIHAR	ISOL	ISOL	ISOL	DRY	ISOL	SCT	ISOL
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	DRY	DRY	SCT	SCT
11	WEST UTTAR PRADESH	ISOL	DRY	ISOL	DRY	DRY	ISOL	SCT
12	UTTARAKHAND	ISOL	ISOL	DRY	DRY	ISOL	FWS	WS
13	HARYANA CHD. & DELHI	FWS	DRY	DRY	DRY	DRY	DRY	SCT
14	PUNJAB	ISOL	DRY	DRY	DRY	DRY	DRY	WS
15	HIMACHAL PRADESH	SCT	ISOL	DRY	DRY	DRY	ISOL	WS
16	JAMMU & KASHMIR	FWS	DRY	DRY	DRY	ISOL	FWS	WS
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	DRY	DRY	DRY	ISOL
18	EAST RAJASTHAN	SCT	ISOL	ISOL	ISOL	DRY	DRY	ISOL
19	WEST MADHYA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
20	EAST MADHYA PRADESH	ISOL	ISOL	ISOL	DRY	ISOL	SCT	FWS
21	GUJARAT REGION D.D. & N.H.	DRY	ISOL	ISOL	ISOL	DRY	ISOL	ISOL
22	SAURASTRA KUTCH & DIU	DRY	ISOL	ISOL	ISOL	ISOL	DRY	ISOL
23	KONKAN & GOA	FWS	SCT	SCT	FWS	SCT	SCT	FWS
24	MADHYA MAHARASHTRA	ISOL	SCT	ISOL	SCT	ISOL	ISOL	ISOL
25	MARATHAWADA	ISOL	ISOL	SCT	WS	ISOL	FWS	FWS
26	VIDARBHA	ISOL	SCT	SCT	ISOL	ISOL	SCT	SCT
27	CHHATTISGARH	ISOL	SCT	ISOL	ISOL	ISOL	SCT	ISOL
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	ISOL	ISOL	ISOL	FWS	SCT
29	TELANGANA	ISOL	DRY	ISOL	FWS	ISOL	ISOL	FWS
30	RAYALASEEMA	ISOL	DRY	SCT	ISOL	ISOL	ISOL	WS**
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	SCT
32	COASTAL KARNATAKA	WS	FWS	WS	WS	FWS	WS	WS
33	NORTH INT.KARNATAKA	ISOL	ISOL	ISOL	ISOL	ISOL	SCT	WS
34	SOUTH INT.KARNATAKA	ISOL	ISOL	SCT	ISOL	ISOL	SCT	FWS**
35	KERALA	WS	WS*	WS*	WS	WS*	WS	WS*
36	LAKSHADWEEP	WS	WS	WS	Ws	Ws	WS	WS
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	12-Jun Today	13Jun Tue	14Jun Wed	15Jun Thu	16Jun Fri
1. Andaman & Nicobar Islands	SCT	SCT	SCT	SGT	SCT
2. Arunachal Pradesh	FWS	FWS	FWS	FWS	FWS
3. Assam & Meghalaya	WS	WS	FWS	FWS	FWS
4. N. M. M. & T.	WS	FWS	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	FWS	WS	FWS	FWS	FWS
6. Gangetic West Bengal	WS	FWS	FWS	FWS	FWS
7. Odisha	FWS	FWS	SCT	SCT	SCT
8. Jharkhand	FWS	SCT	SCT	FWS	FWS
9. Bihar	SCT	FWS	FWS	FWS	FWS
10. East Uttar Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
11. West Uttar Pradesh	DRY	DRY	ISOL	ISOL	ISOL
12. Uttarakhand	ISOL	ISOL	ISOL	ISOL	ISOL
13. Haryana, Chd & Delhi	DRY	DRY	DRY	ISOL	ISOL
14. Punjab	ISOL	DRY	DRY	ISOL	ISOL
15. Himachal Pradesh	ISOL	ISOL	ISOL	ISOL	ISOL
16. Jammu & Kashmir	SCT	SCT	SCT	SCT	ISOL
17. West Rajsthan	ISOL	DRY	DRY	DRY	DRY
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	SCT	SCT	SCT	SCT	SCT
20. East Madhya Pradesh	SCT	SCT	FWS	FWS	SCT
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	WS	FWS	FWS	FWS	FWS
25. Marathawada	WS	FWS	FWS	FWS	FWS
26. Vidharbha	FWS	SCT	SCT	FWS	SCT
27. Chhattisgarh	SCT	FWS	FWS	FWS	FWS
28. Coastal Andhra Pradesh	FWS	SCT	SCT	SGT	FWS
29. Telangana	FWS	FWS	SCT	SCT	FWS
30. Rayalaseema	SCT	SCT	SCT	SGT	FWS
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	SCT
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	FWS	FWS	FWS	FWS	FWS
36. Lakshadweep	FWS	FWS	FWS	FWS	FWS

% 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		

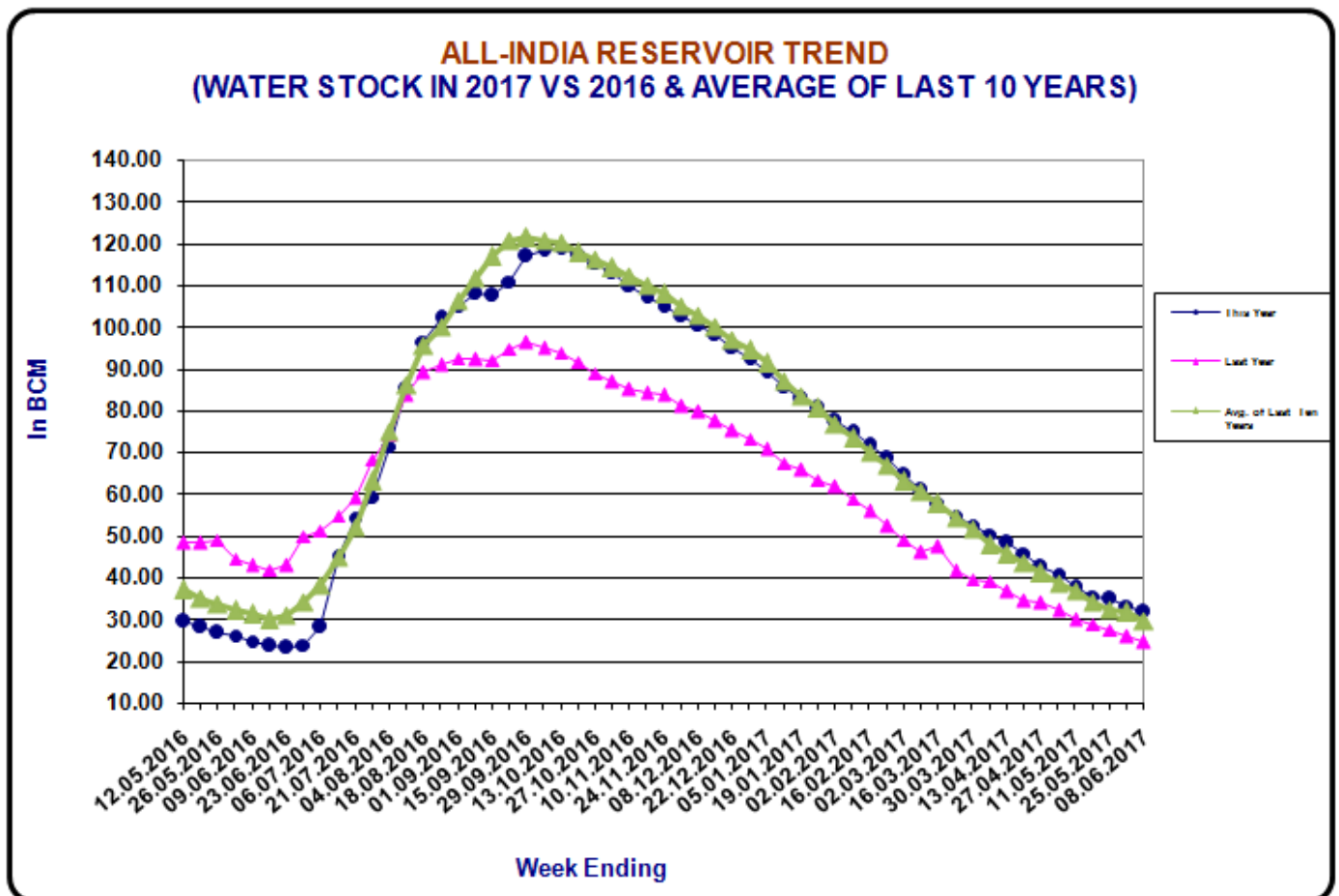
2. Reservoir Status (For the week ending on 08.06.2017)

- **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 31.86 BCM from the previous week's level of 33.41 BCM. Current storage is higher than the last year's position of 24.60 BCM and the average of last 10 year's storage of 29.85 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	20	130	107
Last Week	21	128	105
The percentage to live capacity at FRL was 16% on 08/06/2016, 26% on 08/06/2015, 26% on 08/06/2014 and 20% on 08/06/2013.			
<i>Source: CWC</i>			

There were 44 reservoirs having storage more than 80% of normal storage, 14 reservoirs having storage between 50% to 80%, 15 reservoir having storage between 30% to 50%, 18 reservoirs having storage upto 30% of Normal Storage and 07 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 09.06.2017)

(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 09.06.2017	5438	1700	677	1145	726
Sales upto 09.06.2017	2726	698	335	175	388
Closing Stock upto 09.06.2017	2712	1002	342	969	337

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.
- Mango growing area should be free from pests under Pest Free Area (PFA) as per NSPM-13. 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 Krishnagiri 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.
- 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 09.06.2017							
(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	392.67	3.72	5.51	1.4	4.52	1.8	1.0
Jowar	25.33	0.85	0.84	3.3	0.72	0.0	0.1
Bajra	81.63	0.30	0.21	0.3	0.21	-0.1	0.0
Maize	73.50	3.17	3.07	4.2	2.52	-0.1	0.6
Total Coarse Cereals	199.70	4.62	4.59	2.3	3.89	0.0	0.7
Total Cereals	592.37	8.34	10.10	1.7	8.41	1.8	1.7
Tur	40.05	0.08	0.10	0.3	0.08	0.0	0.0
Urad	24.39	0.36	0.39	1.6	0.36	0.0	0.0
Moong	23.59	0.30	0.35	1.5	0.30	0.1	0.1
Kulthi	2.51	0.00	0.00	0.1	0.00	0.0	0.0
Others	17.06	0.47	0.79	4.7	0.47	0.3	0.3
Total Pulses	107.59	1.20	1.64	1.5	1.20	0.4	0.4
Total Foodgrains	699.96	9.54	11.74	1.7	9.61	2.2	2.1
Groundnut	43.77	0.45	0.50	1.1	0.32	0.0	0.2
Soyabean	106.36	0.27	0.27	0.3	0.23	0.0	0.0
Sunflower	2.61	0.14	0.10	3.8	0.11	0.0	0.0
Sesamum	18.24	0.47	0.40	2.2	0.27	-0.1	0.1
Nigerseed	3.15	0.00	0.00	0.0	0.00	0.0	0.0
Castorseed	11.48	0.03	0.01	0.1	0.01	0.0	0.0
Total Oilseeds	185.60	1.37	1.27	0.67	0.94	-0.1	0.3
Cotton	120.34	14.39	14.06	11.7	9.88	-0.3	4.2
Sugarcane	49.96	42.78	47.46	95.0	44.82	4.7	2.6
Jute & Mesta	8.57	7.36	6.88	80.3	7.07	-0.5	-0.2
All- Crops	1064.42	75.45	81.40	7.6	72.31	6.0	9.1

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 09.06.2017 (lakh tonnes)

Table: 6.1

State	Total procurement in marketing season 2015-16 (Oct. – Sept.)	Progressive Procurement as on 09.06.2017	
		In Marketing season 2016-2017	In Marketing season 2015-2016
Andhra Pradesh	43.36	36.20	42.73
Telangana	15.79	35.34	15.65
Chhattisgarh	34.42	46.62	34.42
Haryana	28.61	35.83	28.61
Kerala	3.82	3.08	3.83
Madhya Pradesh	8.49	13.14	8.41
Maharashtra	2.30	2.77	1.70
Odisha	33.69	31.48	33.69
Punjab	93.50	110.52	93.50
Tamil Nadu	11.92	1.41	10.70
Uttar Pradesh	29.10	23.54	29.10
Uttrakhand	5.98	7.06	5.97
West Bengal	15.68	18.92	15.36
All-India	342.18	380.24	339.00

7. Progressive procurement of Wheat as on 09.06.2017 (lakh tonnes)

Table: 7.1

State	Total procurement in marketing season 2016-17 (April – March)	Progressive Procurement as on 09.06.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	67.52	74.11	67.52
Madhya Pradesh	39.92	67.24	39.92
Punjab	106.49	117.05	106.49
Rajasthan	7.62	11.92	7.62
Uttar Pradesh	7.97	32.21	7.97
All-India	229.62	302.69	229.62