

F. No. 3-1/ 2018-19-CFCC-ES
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: 11.07.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON
06.07.2018.**

Summary observations of the Group on Agenda Items

- *In the monsoon season, at All-India level, the rainfall during the week (28th June, 2018 – 04th July, 2018) has been 1% 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 71% in North West India but lower than LPA by 18% in South Peninsula, 17% in Central India and 9% in East & North East India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01st June, 2018 to 04th July, 2018 has been 7% 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 15% in North West India, 8% in South Peninsula but lower than LPA by 21% in East & North East India and 9% in Central India.*
- *Out of 36 met sub-divisions, 8 met subdivisions constituting 27% of the total area of the country has received large excess/excess rainfall, 17 met sub-divisions constituting 41% of the total area of the country has received normal rainfall, 11 met subdivisions constituting 32% of the total area of the country has received deficient/large deficient rainfall.*
- *Central Water Commission monitors 91 major reservoirs in the country which have total live capacity of 161.99 Billion Cubic Meter (BCM) at Full Reservoir Level (FRL). Out of these, 76 reservoirs with FRL capacity of 120.44 BCM have irrigation potential. Live storage in the 91 major reservoirs as on 05th July, 2018 has been 32.85 BCM as against 32.74 BCM on 05.07.2017 (last year) and 34.32 BCM of normal (average of the last 10 years) storage. Current year's storage is 100% of last year's storage and 96% of average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 31.49% of the normal area under Kharif crops has been sown upto 06.07.2018. Area sown under all Kharif crops taken together has been reported to be 333.78 lakh hectares at All India level as compared to 388.88 lakh hectares in the corresponding period of last year and 370.16 lakh ha. normal area as on date.*
- *All-India progressive procurement of Rice as on 06.07.2018 for 2017-18 was at 362.27 lakh tonnes against the procurement of 379.44 lakh tonnes in the corresponding period of last year. The procurement of wheat for the Rabi Marketing Season (RMS) 2018-19 was 355.22 lakh tonnes which was higher than the procurement of 306.65 lakh tonnes in the corresponding period of RMS 2017-18.*

1. **Monsoon Season (June – September) during the week ending 04th June, 2018**

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

- **Rainfall during the week (28th June, 2018 to 04th July, 2018)** Rainfall was large excess/excess in 10 met sub-divisions, normal in 13 met sub-divisions, deficient/large deficient in 13 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st June, 2018 to 04th July, 2018)** Rainfall was large excess/excess in 8, normal in 17 met sub-divisions, deficient/large deficient in 11 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (04.07.2018)				Cumulative (01.06.18 to 04.07.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	58.0	33.9	71	LE	102.5	89.0	15	N
Central India	53.6	64.7	-17	N	183.5	202.5	-9	N
South Peninsular India	39.2	47.6	-18	N	201.9	186.9	8	N
East & North-East India	92.8	102.0	-9	N	324.7	411.0	-21	D
Country as a whole	58.4	57.7	1	N	184.7	197.8	-7	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, 2018 to 04th July, 2018

No. of Sub-Divisions with rainfall	For the period from 1 st June to					
	03 JUL 2013	02 JUL 2014	01 JUL 2015	06 JUL 2016	05 JUL 2017	04 JUL 2018
Large Excess	-	-	-	-	04	01
Excess	21	00	13	14	08	07
Normal	11	05	18	18	21	17
Total	32	05	31	32	33	25
Deficient	04	20	05	04	03	10
Large Deficient	-	-	-	-	00	01
Scanty	00	11	00	00	-	-
No rain	00	00	00	00	00	00
Total	04	31	05	04	03	11
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	27%	(-) 43%	13%	1%	5%	(-) 7%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 06th July, 2018 to 10th July, 2018 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, Odisha, Goa and Gujarat.
South Peninsula - Andhra Pradesh & Telangana, Karnataka, Tamil Nadu & Puducherry, Kerala, A & N islands and Lakshadweep.
East & North East India - Bihar, Jharkhand, West Bengal, Sikkim, Assam, Arunachal Pradesh, Meghalaya, Nagaland, Manipur, Mizoram and Tripura.

Table: 1.1

METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST & Wx. WARNINGS-2018								
Sr. No	MET.SUB-DIVISIONS	05 JUL	06 JUL	07 JUL	08 JUL	09 JUL	10 JUL	11 JUL
1	ANDAMAN & NICO.ISLANDS	WS [•]	WS	WS	WS	WS	WS [•]	WS [•]
2	ARUNACHAL PRADESH	WS [•]	FWS	FWS	WS [•]	WS [•]	FWS	FWS
3	ASSAM & MEGHALAYA	WS [•]	FWS [•]	FWS [•]	WS [•]	WS [•]	WS [•]	WS [•]
4	NAGA.MANI.MIZO.& TRIPURA	FWS [•]	FWS [•]	WS	WS [•]	WS [•]	WS [•]	WS
5	SUB-HIM.W. BENG. & SIKKIM	WS [•]	FWS [•]	WS	FWS [•]	FWS [•]	FWS	FWS
6	GANGETIC WEST BENGAL	FWS	FWS	FWS	FWS	FWS	SCT	SCT
7	ODISHA	FWS	FWS	FWS	WS [•]	WS [•]	WS	FWS
8	JHARKHAND	FWS	FWS	FWS	WS [•]	WS [•]	WS	FWS
9	BIHAR	FWS	FWS	SCT	SCT	FWS	FWS [•]	SCT
10	EAST UTTAR PRADESH	ISOL	ISOL	ISOL	FWS	WS [•]	WS [•]	FWS [•]
11	WEST UTTAR PRADESH	ISOL	ISOL	ISOL	SCT	FWS	FWS [•]	FWS [•]
12	UTTARAKHAND	ISOL	ISOL	ISOL	FWS	FWS [•]	FWS [•]	FWS [•]
13	HARYANA CHD. & DELHI	ISOL	DRY	DRY	DRY	ISOL	SCT	FWS
14	PUNJAB	ISOL	DRY	DRY	DRY	ISOL	SCT	FWS
15	HIMACHAL PRADESH	ISOL	ISOL	DRY	ISOL	ISOL	FWS	FWS
16	JAMMU & KASHMIR	SCT	DRY	DRY	DRY	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	ISOL	DRY	DRY	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	SCT
19	WEST MADHYA PRADESH	SCT	SCT	SCT	SCT	SCT	FWS	FWS
20	EAST MADHYA PRADESH	FWS [•]	FWS	WS [•]	WS [•]	WS [•]	WS ^{••}	WS ^{••}
21	GUJARAT REGION D.D. & N.H.	FWS [•]	SCT [•]	SCT	SCT	SCT	WS [•]	WS [•]
22	SAURASTRA KUTCH & DIU	SCT	ISOL	ISOL	ISOL	ISOL	SCT	SCT
23	KONKAN & GOA	WS ^{•••}	WS ^{•••}	WS ^{•••}	WS ^{••}	WS ^{••}	WS [•]	WS [•]
24	MADHYA MAHARASHTRA	FWS ^{••}	WS ^{••}	WS ^{••}	FWS [•]	FWS [•]	FWS	FWS
25	MARATHAWADA	FWS	WS [•]	WS [•]	WS [•]	FWS	SCT	SCT
26	VIDARBHA	FWS [•]	WS ^{••}	WS ^{••}	WS ^{••}	WS [•]	FWS	SCT
27	CHHATTISGARH	FWS [•]	WS [•]	WS [•]	WS [•]	WS [•]	WS [•]	FWS
28	COASTAL ANDHRA PRADESH	SCT ^{TS}	SCT ^{TS}	SCT	SCT	SCT	SCT	SCT
29	TELANGANA	SCT ^{TS}	FWS ^{•TS}	FWS [•]	FWS	FWS	SCT	SCT
30	RAYALASEEMA	ISOL ^{TS}	SCT ^{TS}	SCT	ISOL	ISOL	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	ISOL ^{TS}	ISOL ^{TS}	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS [•]	WS [•]	WS [•]	WS [•]	WS [•]	WS [•]	WS [•]
33	NORTH INT.KARNATAKA	SCT ^{TS}	FWS ^{•TS}	FWS [•]	FWS	SCT	SCT	SCT
34	SOUTH INT.KARNATAKA	SCT ^{TS}	SCT ^{TS}	SCT	SCT	SCT	SCT	SCT
35	KERALA	ISOL	ISOL	SCT	SCT	FWS	WS [•]	WS [•]
36	LAKSHADWEEP	FWS	SCT	ISOL	ISOL	ISOL	FWS	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%)		D/DRY	NIL RAINFALL	
• 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)			
• FOG	* SNOWFALL	# HAILSTORM		† HEAT WAVE (+4.5 °C to +6.4 °C)		†† SEVERE HEAT WAVE (> +6.4)		
§ THUNDERSTORM WITH SQUALL/GUSTY WIND		DS/TS DUST/THUNDERSTORM		‡ COLD WAVE (-4.5 °C to -6.4 °C)		‡‡ SEVERE COLD WAVE (< -6.4)		

Table: 1.4

Met-Sub-Division	06-Jul Today	07Jul Sat	08Jul Sun	09Jul Mon	10Jul Tue
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	FWS	FWS	WS	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	FWS	WS	FWS	FWS	FWS
6. Gangetic West Bengal	FWS	FWS	FWS	FWS	FWS
7. Odisha	FWS	FWS	WS	WS	WS
8. Jharkhand	FWS	FWS	WS	WS	WS
9. Bihar	FWS	SCT	SCT	FWS	FWS
10. East Uttar Pradesh	ISOL	ISOL	SCT	FWS	WS
11. West Uttar Pradesh	ISOL	ISOL	ISOL	SCT	FWS
12. Uttarakhand	ISOL	ISOL	FWS	FWS	FWS
13. Haryana, Chd & Delhi	DRY	DRY	DRY	ISOL	ISOL
14. Punjab	DRY	DRY	DRY	ISOL	ISOL
15. Himachal Pradesh	ISOL	DRY	ISOL	ISOL	ISOL
16. Jammu & Kashmir	DRY	DRY	DRY	ISOL	ISOL
17. West Rajsthan	ISOL	DRY	DRY	ISOL	ISOL
18. East Rajasthan	ISOL	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	SCT	SCT	SCT	SCT	FWS
20. East Madhya Pradesh	FWS	WS	WS	WS	WS
21. Gujarat Region	SCT	SCT	SCT	SCT	SCT
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	SCT
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	WS	WS	FWS	FWS	FWS
25. Marathawada	WS	WS	WS	FWS	FWS
26. Vidharbha	WS	WS	WS	WS	WS
27. Chhattisgarh	WS	WS	WS	WS	WS
28. Coastal Andhra Pradesh	SCT	SCT	SCT	SCT	SCT
29. Telangana	FWS	FWS	FWS	FWS	FWS
30. Rayalaseema	SCT	SCT	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	SCT	SCT
34. South Interior Karnataka	SCT	SCT	SCT	SCT	SCT
35. Kerala	ISOL	SCT	SCT	SCT	SCT
36. Lakshadweep	SCT	ISOL	ISOL	ISOL	ISOL

% 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		

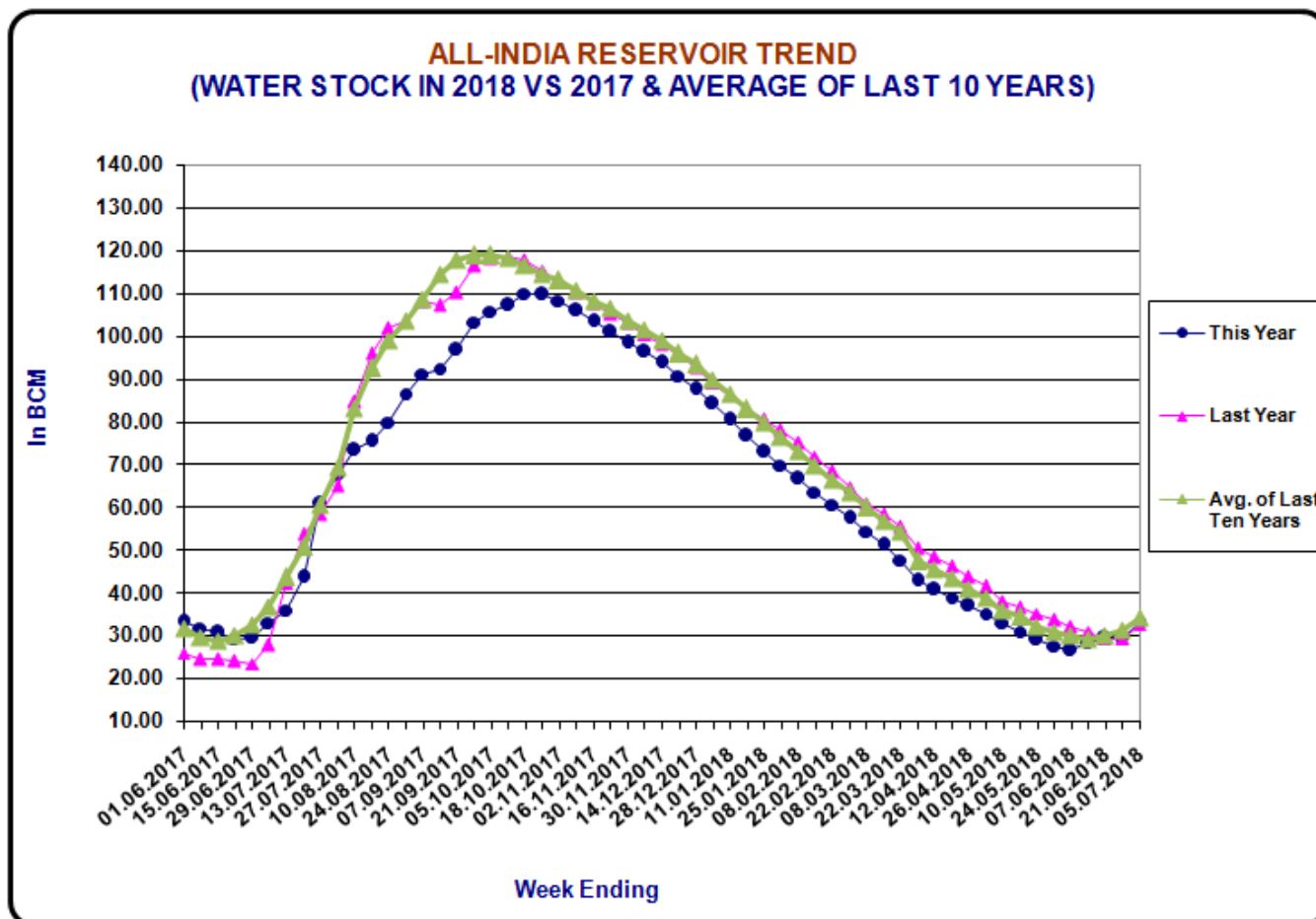
2. Reservoir Status (For the week ending on 05.07.2018)

- **The Central Water Commission** monitors the live storage of **91** important/major reservoirs, having capacity at Full Reservoir Level (FRL) of **161.99** billion cubic meters (BCM), which is about 63% of total reservoir capacity of 257.81 BCM in the country.
- Water stock in 91 major reservoirs increased to 32.85 BCM from the previous week's level of 29.75 BCM. Current storage is higher than the last year's position of 32.74 BCM and lower than the average of last 10 year's storage of 34.32 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	100	96
Last Week	19	101	94
The percentage to live capacity at FRL was 20% on 05/07/2017, 17% on 05/07/2016, 31% on 02/07/2015 and 24% on 03/07/2014.			
<i>Source: CWC</i>			

There were 59 reservoirs having storage more than 80% of normal storage, 15 reservoirs having storage between 51% to 80%, 4 reservoir having storage between 31% to 50% and 13 reservoirs having storage upto 30% of Normal Storage. Out of 91 reservoirs, there are 3 reservoirs having no live storage.



3. Fertilizer Position:

Table – 3.1: Requirement, Receipt, Availability, Sales and Stock position of Major Fertilizers Urea, DAP, MOP, Complex and SSP during Kharif 2018 (As on 05.07.2018)

(in '000 Tonnes)

Availability/Sale/Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1004	193	88	727	160
Requirement for Kharif 2018	14891	4918	2025	4973	2625
Cumulative Requirement from April to July, 2018	9725	3203	1322	3010	1692
Cumulative Receipt upto 05.07.2018	7195	2290	924	2253	1130
Cumulative Availability upto 05.07.2018	8199	2483	1012	2980	1290
Cumulative Sales upto 05.07.2018	6667	1980	762	1823	1073
Closing Stock as on 05.07.2018	1532	503	250	1157	217

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

4. Pest & Diseases:

- Incidence of Swarming caterpillar (*Spodoptera mauritia*) reported at moderate to high intensity in rice nursery to seedling stage at Mayurbhanj district of Odisha state.
- Overall intensity of pests and diseases remained below Economic Threshold Level (ETL).
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

5. **Availability position of seeds and fertilizers has been found satisfactory.**

6. All India Crop Situation – Kharif (2018-19) as on 06.07.2018

Table: 6.1

(In lakh hectares)							
Crop Name	Normal Area for whole Kharif Season	Normal Area as on date	Area sown reported			Absolute Change over (+/-)	
			This Year 2018	% of Normal for whole season	Last Year 2017	Normal as on date	Last Year
Rice	395.39	85.65	67.25	17.0	79.08	-18.4	-11.8
Jowar	22.34	4.85	5.35	23.9	5.18	0.5	0.2
Bajra	74.03	12.54	13.42	18.1	19.55	0.9	-6.1
Maize	74.22	38.64	35.90	48.4	38.75	-2.7	-2.9
Total Coarse Cereals	188.55	59.10	57.35	30.4	66.27	-1.8	-8.9
Total Cereals	583.94	144.75	124.60	21.3	145.35	-20.2	-20.8
Tur	41.90	10.72	13.30	31.7	16.63	2.6	-3.3
Urad	27.00	5.43	7.38	27.3	9.05	2.0	-1.7
Moong	24.93	7.49	9.84	39.5	11.66	2.4	-1.8
Kulthi	2.27	0.08	0.45	19.9	0.20	0.4	0.3
Others	15.83	2.70	2.63	16.6	4.14	-0.1	-1.5
Total Pulses	111.93	26.42	33.60	30.0	41.67	7.2	-8.1
Total Foodgrains	695.87	171.17	158.20	22.7	187.02	-13.0	-28.8
Groundnut	42.01	17.95	9.39	22.4	16.57	-8.6	-7.2
Soyabean	112.51	51.48	51.64	45.9	53.70	0.2	-2.1
Sunflower	2.24	0.67	0.57	25.5	0.74	-0.1	-0.2
Sesamum	17.50	2.49	1.64	9.4	2.06	-0.9	-0.4
Nigerseed	2.70	0.10	0.05	1.9	0.07	-0.1	0.0
Castorseed	10.51	0.47	0.31	2.9	0.30	-0.2	0.0
Total Oilseeds	187.47	73.17	63.59	33.91	73.45	-9.6	-9.9
Cotton	119.75	73.02	54.60	45.6	71.82	-18.4	-17.2
Sugarcane	48.84	45.35	50.44	103.3	49.64	5.1	0.8
Jute & Mesta	8.11	7.45	6.93	85.4	6.96	-0.5	0.0
All- Crops	1060.04	370.16	333.78	31.49	388.88	-36.4	-55.1

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 06.07.2018

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 06.07.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	38.98	37.08
Telangana	34.00	36.21	35.91
Bihar	12.00	7.93	12.34
Chhattisgarh	48.00	32.07	40.22
Haryana	30.00	39.92	35.83
Jharkhand	2.50	1.43	1.39
Kerala	2.32	3.29	3.03
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.79	3.06
Odisha	37.00	32.80	35.38
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	8.40	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttrakhand	7.00	0.38	7.06
West Bengal	27.00	0.55	18.90
All-India	430.00	362.27	379.44

8. Progressive procurement of Wheat as on 06.07.2018

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 06.07.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Gujarat	0.50	0.37	0.02
Haryana	74.00	87.39	74.32
Madhya Pradesh	67.00	72.87	67.24
Punjab	119.00	126.91	117.06
Rajasthan	16.00	15.31	12.27
Uttar Pradesh	40.00	50.88	35.62
Uttrakhand	1.00	1.09	0.02
All-India	320.00	355.22	306.65