

**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: 12.06.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON  
08.06.2018.**

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

- *In the monsoon season, at All-India level, the rainfall during the week (31<sup>st</sup> May, 2018 – 06<sup>th</sup> June, 2018) has been 14% 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 17% in South Peninsula and 15% in Central India but lower than LPA by 48% in East & North East India and 18% in North West India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01<sup>st</sup> June to 06<sup>th</sup> June, 2018 has been 10% 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 South Peninsula and 12% in Central India but lower than LPA by 44% in East & North East India and 8% in North West India.*
- *Out of 36 met sub-divisions, 14 met subdivision constituting 33% of the total area of the country has received large excess/excess rainfall, 11 met sub-divisions constituting 38% of the total area of the country has received normal rainfall, 11 met subdivisions constituting 29% 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 07<sup>th</sup> June, 2018 has been 26.74 BCM as against 32.18 BCM on 07.06.2017 (last year) and 30.02 BCM of normal (average of the last 10 years) storage. Current year's storage is 83% of last year's storage and 89% of average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 8% of the normal area under Kharif crops has been sown upto 08.06.2018. Area sown under all Kharif crops taken together has been reported 84.61 lakh hectares at All India level as compared to 85.81 lakh hectares in the corresponding period of last year and 77.93 lakh ha. normal area as on date.*
- *All-India progressive procurement of Rice as on 08.06.2018 for 2017-18 was at 356.64 lakh tonnes against the procurement of 372.92 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2018-19 was 351.40 lakh tonnes which was higher than the procurement of 302.36 lakh tonnes in the corresponding period of RMS 2017-18.*

1. **Monsoon Season (June – September) during the week ending 06<sup>th</sup> June, 2018**

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

- **Rainfall during the week (31<sup>st</sup> May, 2018 to 06<sup>th</sup> June, 2018)** Rainfall was large excess/excess in 13 met sub-divisions, normal in 10 met sub-division, deficient/large deficient in 13 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June, 2018 to 06<sup>th</sup> June, 2018)** Rainfall was large excess/excess in 14, normal in 11 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 country<sup>1</sup>**

Region	Week Ending (06.06.2018)				Cumulative (01.06.18 to 06.06.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	6.8	8.3	-18	N	6.5	7.1	-8	N
Central India	17.1	14.8	15	N	15.5	13.8	12	N
South Peninsular India	33.5	28.6	17	N	31.9	25.9	23	E
East & North-East India	30.0	57.8	-48	D	28.1	50.3	-44	D
Country as a whole	19.2	22.3	-14	N	18.0	19.9	-10	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> March, 2018 to 31<sup>st</sup> May, 2018**

No. of Sub-Divisions with rainfall	<i>For the period from 1<sup>st</sup> March to</i>					
	31 MAY 2013	31 MAY 2014	31 MAY 2015	31 MAY 2016	31 MAY 2017	31 MAY 2018
Large Excess	-	-	-	-	02	03
Excess	04	15	26	08	03	06
Normal	12	12	08	16	13	10
<b>Total</b>	<b>16</b>	<b>27</b>	<b>34</b>	<b>24</b>	<b>18</b>	<b>19</b>
Deficient	13	07	02	09	15	12
Large Deficient	-	-	-	-	03	05
Scanty	07	02	00	03	-	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>20</b>	<b>09</b>	<b>02</b>	<b>12</b>	<b>18</b>	<b>17</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>(-) 1%</b>	<b>38%</b>	<b>(-) 3%</b>	<b>(-) 2%</b>	<b>(-) 11%</b>

Source: IMD

➤ **Sub-division-wise 5 days rainfall forecast from 08<sup>th</sup> June, 2018 to 12<sup>th</sup> June, 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**

<b>METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST &amp; Wx. WARNINGS-2018</b>								
<b>Sr. No</b>	<b>MET.SUB-DIVISIONS</b>	<b>07 JUN</b>	<b>08 JUN</b>	<b>09 JUN</b>	<b>10 JUN</b>	<b>11 JUN</b>	<b>12 JUN</b>	<b>13 JUN</b>
1	ANDAMAN & NICO.ISLANDS	WS*	WS	WS	WS	WS	FWS	FWS
2	ARUNACHAL PRADESH	FWS	SCT	SCT	FWS	FWS	FWS*	WS*
3	ASSAM & MEGHALAYA	SCT* <sup>TS</sup>	FWS	FWS*	WS*	WS*	WS*	WS*
4	NAGA.MANI.MIZO.& TRIPURA	FWS	FWS	WS*	WS*	WS*	WS*	WS*
5	SUB-HIM.W. BENG. & SIKKIM	FWS*	FWS*	FWS	FWS	FWS	WS*	WS
6	GANGETIC WEST BENGAL	SCT	SCT <sup>TS</sup>	FWS*	WS*	WS*	WS*	FWS
7	ODISHA	SCT* <sup>TS</sup>	FWS* <sup>TS</sup>	FWS*	FWS*	FWS	FWS	SCT
8	JHARKHAND	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	SCT <sup>TS</sup>	SCT	FWS*	FWS	SCT
9	BIHAR	SCT <sup>TS</sup>	SCT <sup>TS</sup>	SCT	SCT	FWS*	FWS	FWS
10	EAST UTTAR PRADESH	SCT <sup>TS</sup>	SCT <sup>TS</sup>	SCT <sup>TS</sup>	SCT <sup>TS</sup>	SCT <sup>TS</sup>	SCT	SCT
11	WEST UTTAR PRADESH	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	SCT <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL
12	UTTARAKHAND	SCT	SCT <sup>TS</sup>	WS <sup>TS</sup>	FWS <sup>TS</sup>	FWS <sup>TS</sup>	SCT	SCT
13	HARYANA CHD. & DELHI	ISOL	ISOL	SCT <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL
14	PUNJAB	DRY	ISOL	SCT <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL
15	HIMACHAL PRADESH	ISOL	ISOL	FWS <sup>TS</sup>	FWS <sup>TS</sup>	SCT	ISOL	SCT
16	JAMMU & KASHMIR	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
17	WEST RAJASTHAN	DRY <sup>†</sup>	DRY <sup>†</sup>	ISOL	ISOL	DRY	DRY	DRY
18	EAST RAJASTHAN	ISOL <sup>†</sup>	DRY <sup>†</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	DRY
19	WEST MADHYA PRADESH	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	SCT	SCT	SCT	ISOL	ISOL
20	EAST MADHYA PRADESH	ISOL <sup>TS</sup>	ISOL <sup>TS</sup>	SCT	SCT	SCT	SCT	ISOL
21	GUJARAT REGION D.D. & N.H.	ISOL	ISOL	SCT	SCT	SCT	ISOL	ISOL
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	SCT	ISOL	DRY	DRY
23	KONKAN & GOA	WS**	WS***	WS***	WS**	WS*	WS*	WS*
24	MADHYA MAHARASHTRA	WS*	WS**	FWS**	FWS	FWS	SCT	SCT
25	MARATHAWADA	WS	WS*	FWS	FWS	FWS	SCT	SCT
26	VIDARBHA	SCT <sup>TS</sup>	FWS <sup>TS</sup>	FWS*	FWS*	FWS	SCT	SCT
27	CHHATTISGARH	FWS <sup>TS</sup>	FWS <sup>TS</sup>	FWS	WS*	WS*	FWS	SCT
28	COASTAL ANDHRA PRADESH	FWS <sup>TS</sup>	FWS <sup>TS</sup>	SCT	SCT	SCT	SCT	SCT
29	TELANGANA	FWS** <sup>TS</sup>	FWS* <sup>TS</sup>	FWS	SCT	SCT	SCT	ISOL
30	RAYALASEEMA	SCT <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	SCT	ISOL
31	TAMILNADU & PUDUCHERRY	SCT <sup>TS</sup>	ISOL <sup>TS</sup>	ISOL	ISOL	ISOL	ISOL	ISOL
32	COASTAL KARNATAKA	WS***	WS***	WS**	WS	WS*	WS*	WS*
33	NORTH INT.KARNATAKA	FWS* <sup>TS</sup>	WS**	WS*	FWS*	FWS	SCT	ISOL
34	SOUTH INT.KARNATAKA	FWS* <sup>TS</sup>	FWS*	FWS*	FWS*	FWS*	SCT	ISOL
35	KERALA	WS*	WS*	WS*	WS*	WS*	WS*	WS*
36	LAKSHADWEEP	FWS	FWS	FWS	FWS	FWS	FWS	FWS
<b>LEGENDS:</b>								
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	08-Jun Today	09Jun Sat	10Jun Sun	11Jun Mon	12Jun Tue
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	SCT	SCT	FWS	FWS	FWS
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	FWS	FWS	FWS	FWS
6. Gangetic West Bengal	SCT	FWS	WS	WS	WS
7. Odisha	FWS	FWS	FWS	FWS	FWS
8. Jharkhand	ISOL	SCT	SCT	FWS	FWS
9. Bihar	SCT	SCT	SCT	FWS	FWS
10. East Uttar Pradesh	SCT	SCT	SCT	SCT	SCT
11. West Uttar Pradesh	ISOL	SCT	ISOL	ISOL	ISOL
12. Uttarakhand	SCT	WS	FWS	FWS	FWS
13. Haryana, Chd & Delhi	ISOL	SCT	ISOL	ISOL	ISOL
14. Punjab	ISOL	SCT	ISOL	ISOL	ISOL
15. Himachal Pradesh	ISOL	FWS	FWS	SCT	SCT
16. Jammu & Kashmir	DRY	ISOL	ISOL	ISOL	ISOL
17. West Rajsthan	DRY	ISOL	ISOL	DRY	DRY
18. East Rajasthan	DRY	ISOL	ISOL	ISOL	ISOL
19. West Madhya Pradesh	ISOL	SCT	SCT	SCT	SCT
20. East Madhya Pradesh	ISOL	SCT	SCT	SCT	SCT
21. Gujarat Region	ISOL	SCT	SCT	SCT	SCT
22. Saurashtra & Kutch	ISOL	ISOL	SCT	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	FWS	FWS	FWS	FWS
27. Chhattisgarh	FWS	FWS	WS	WS	WS
28. Coastal Andhra Pradesh	FWS	SCT	SCT	SCT	SCT
29. Telangana	FWS	FWS	SCT	SCT	SCT
30. Rayalaseema	ISOL	ISOL	ISOL	ISOL	ISOL
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	WS	WS	FWS	FWS	FWS
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		

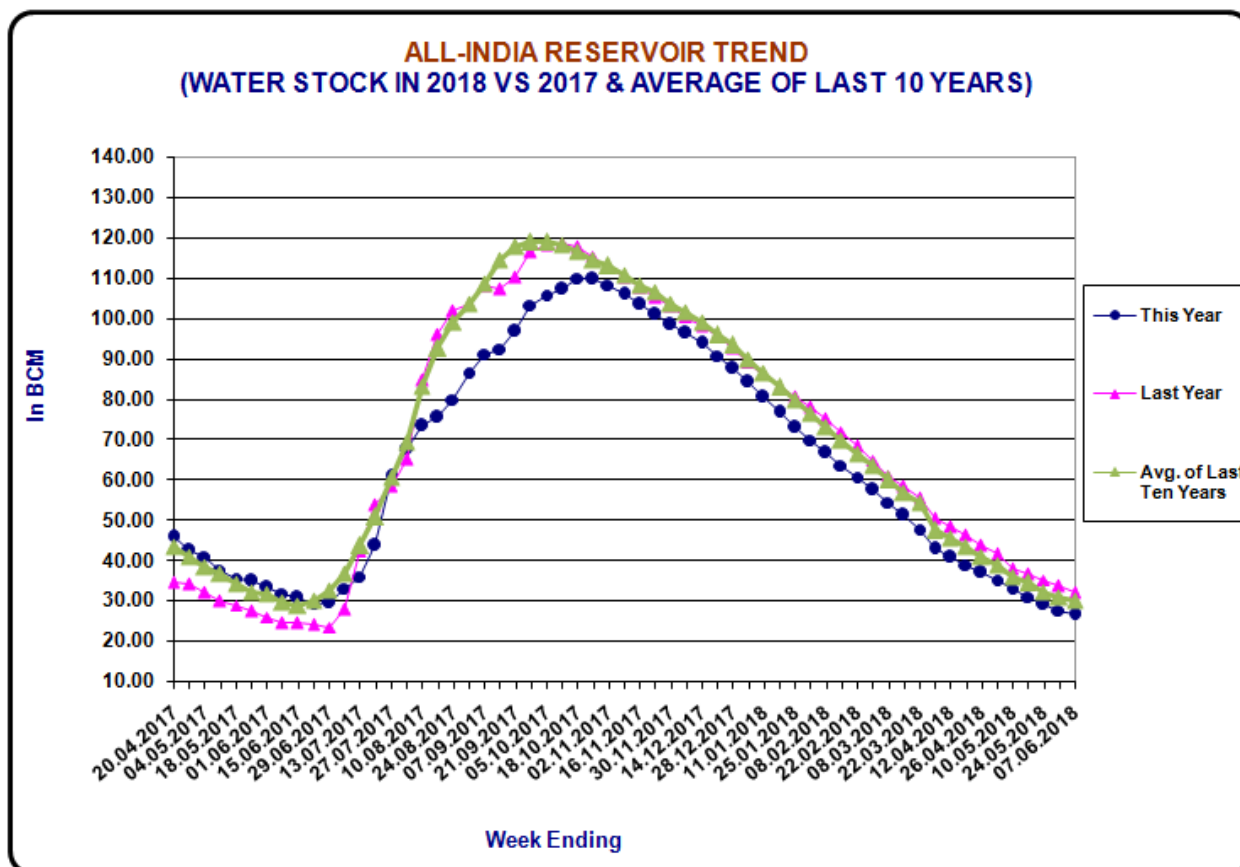
## 2. Reservoir Status (For the week ending on 07.06.2018)

- **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 decreased to 26.74 BCM from the previous week's level of 27.66 BCM. Current storage is lower than the last year's position of 32.18 BCM and the average of last 10 year's storage of 30.02 BCM.

**Table – 2.1 : For 91 major reservoirs of the country**

<u>Period</u>	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	17	83	89
Last Week	18	82	89
The percentage to live capacity at FRL was 20% on 07/06/2017, 15% on 07/06/2016, 25% on 04/06/2015 and 27% on 05/06/2014.			
<i>Source: CWC</i>			

There were 55 reservoirs having storage more than 80% of normal storage, 12 reservoirs having storage between 51% to 80%, 13 reservoir having storage between 31% to 50% and 11 reservoirs having storage upto 30% of Normal Storage. Out of 91 reservoirs, there are 6 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 2018 (As on 07.06.2018)**

*(in '000 Tonnes)*

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.04.2018	1004	193	88	727	161
Requirement for Kharif, 2018	14891	4918	2025	4973	2625
Requirement for May, 2018	3812	1363	493	1151	665
Availability upto 07.06.2018	5848	1517	730	2169	801
Sales upto 07.06.2018	3953	1050	435	879	574
Closing Stock upto 07.06.2018	1895	466	295	1289	227

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

### 4. Pest & Diseases:

- 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 08.06.2018

**Table: 6.1**

All India Crop Situation - Kharif (2018-19) as on 08.06.2018							
(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	395.39	4.05	6.32	1.6	6.64	2.3	-0.3
Jowar	22.34	0.89	0.85	3.8	0.86	0.0	0.0
Bajra	74.03	0.21	0.27	0.4	0.20	0.1	0.1
Maize	74.22	3.24	3.45	4.6	3.00	0.2	0.5
Total Coarse Cereals	188.55	5.56	6.20	3.3	5.70	0.6	0.5
Total Cereals	583.94	9.61	12.52	2.1	12.34	2.9	0.2
Tur	41.90	0.05	0.39	0.9	0.16	0.3	0.2
Urad	27.00	0.19	0.35	1.3	0.58	0.2	-0.2
Moong	24.93	0.13	0.47	1.9	0.36	0.3	0.1
Kulthi	2.27	0.01	0.16	7.1	0.07	0.1	0.1
Others	15.83	0.26	0.50	3.2	0.81	0.2	-0.3
Total Pulses	111.93	0.64	1.87	1.7	1.98	1.2	-0.1
Total Foodgrains	695.87	10.25	14.39	2.1	14.32	4.1	0.1
Groundnut	42.01	0.38	0.31	0.7	0.51	-0.1	-0.2
Soyabean	112.51	0.05	0.17	0.1	0.13	0.1	0.0
Sunflower	2.24	0.11	0.10	4.3	0.10	0.0	0.0
Sesamum	17.50	0.37	0.30	1.7	0.33	-0.1	0.0
Nigerseed	2.70	0.00	0.01	0.5	0.00	0.0	0.0
Castorseed	10.51	0.02	0.01	0.1	0.01	0.0	0.0
Total Oilseeds	187.47	0.93	0.90	0.47	1.08	0.0	-0.2
Cotton	119.75	14.23	12.48	10.4	14.06	-1.8	-1.6
Sugarcane	48.84	45.35	49.95	102.3	49.46	4.6	0.5
Jute & Mesta	8.11	7.16	6.89	85.0	6.88	-0.3	0.0
All- Crops	1060.04	77.93	84.61	8.0	85.81	6.7	-1.2

Source: Crops & TMOP Divisions, DAC&FW

7. **Progressive procurement of Rice as on 08.06.2018**

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 08.06.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	43.00	37.38	36.15
Telangana	34.00	35.70	35.26
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	3.27	3.03
Madhya Pradesh	13.00	10.96	13.14
Maharashtra	4.34	1.69	2.73
Odisha	37.00	30.06	31.03
Punjab	115.00	118.33	110.52
Tamil Nadu	15.00	7.78	1.41
Uttar Pradesh	37.00	28.75	23.54
Uttarakhand	7.00	0.38	7.06
West Bengal	27.00	0.48	18.64
All-India	430.00	356.64	372.92

8. **Progressive procurement of Wheat as on 08.06.2018**

Table: 8.1

(lakh tonnes)

State	Target in marketing season 2018-19	Progressive Procurement as on 08.06.2018	
		In Marketing season 2018-2019	In Marketing season 2017-2018
Gujarat	0.50	0.37	0.07
Haryana	74.00	87.39	74.32
Madhya Pradesh	67.00	72.87	67.24
Punjab	119.00	126.91	117.05
Rajasthan	16.00	15.07	11.86
Uttar Pradesh	40.00	47.59	31.72
Uttarakhand	1.00	1.02	0.02
All-India	320.00	351.40	302.36