

**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: 30.07.2018

**SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON  
27.07.2018.**

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

- *In the monsoon season, at All-India level, the rainfall during the week (19<sup>th</sup> July, 2018 – 25<sup>th</sup> July, 2018) has been 2% 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 21% in Central India and 5% in North West India but lower than LPA by 33% in South Peninsula and 26% in East & North East India.*
- *The cumulative rainfall in the country during the monsoon season i.e. 01<sup>st</sup> June, 2018 to 25<sup>th</sup> July, 2018 has been 3% 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 16% in Central India and 9% in South Peninsula but lower than LPA by 31% in East & North East India and 7% in North West India.*
- *Out of 36 met sub-divisions, 7 met subdivisions constituting 24% of the total area of the country has received large excess/excess rainfall, 18 met sub-divisions constituting 50% of the total area of the country has received normal rainfall, 11 met subdivisions constituting 26% 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 26<sup>th</sup> July, 2018 has been 66.33 BCM as against 58.91 BCM on 26.07.2017 (last year) and 57.21 BCM of normal (average of the last 10 years) storage. Current year's storage is 113% of last year's storage and 116% of average of last 10 year's storage.*
- *As per latest information available on sowing of Kharif crops, around 69.62% of the normal area under Kharif crops has been sown upto 27.07.2018. Area sown under all Kharif crops taken together has been reported to be 737.96 lakh hectares at All India level as compared to 797.69 lakh hectares in the corresponding period of last year and 760.72 lakh ha. normal area as on date.*
- *All-India progressive procurement of Rice as on 27.07.2018 for 2017-18 was at 363.47 lakh tonnes against the procurement of 380.08 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 25<sup>th</sup> June, 2018

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

- **Rainfall during the week (19<sup>th</sup> July, 2018 to 25<sup>th</sup> July, 2018)** Rainfall was large excess/excess in 6 met sub-divisions, normal in 11 met sub-divisions, deficient/large deficient in 19 sub-divisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> June, 2018 to 25<sup>th</sup> July, 2018)** Rainfall was large excess/excess in 7, normal in 18 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 (25.07.2018)				Cumulative (01.06.18 to 25.07.18)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	57.0	54.3	5	N	225.6	241.7	-7	N
Central India	90.3	74.9	21	E	490.7	423.3	16	N
South Peninsular India	36.3	54.4	-33	D	369.6	337.7	9	N
East & North-East India	69.8	94.1	-26	D	486.1	707.5	-31	D
Country as a whole	66.2	67.5	-2	N	384.7	395.9	-3	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, 2018 to 25<sup>th</sup> July, 2018**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> June to					
	24 JUL 2013	23 JUL 2014	22 JUL 2015	27 JUL 2016	26 JUL 2017	25 JUL 2018
Large Excess	-	-	-	-	02	00
Excess	18	00	04	11	05	07
Normal	11	14	20	17	26	18
<b>Total</b>	<b>29</b>	<b>14</b>	<b>24</b>	<b>28</b>	<b>33</b>	<b>25</b>
Deficient	07	19	12	08	03	11
Large Deficient	-	-	-	-	00	00
Scanty	00	03	00	00	-	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>07</b>	<b>22</b>	<b>12</b>	<b>08</b>	<b>03</b>	<b>11</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>16%</b>	<b>(-) 25%</b>	<b>(-) 7%</b>	<b>0%</b>	<b>5%</b>	<b>(-) 3%</b>

Source: IMD

### ➤ Sub-division-wise 5 days rainfall forecast from 27<sup>th</sup> July, 2018 to 31<sup>st</sup> 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**

<b>METEOROLOGICAL SUB-DIVISIONWISE WEEKLY RAINFALL FORECAST &amp; Wx. WARNINGS-2018</b>								
<b>Sr. No</b>	<b>MET.SUB-DIVISIONS</b>	<b>26 JUL</b>	<b>27 JUL</b>	<b>28 JUL</b>	<b>29 JUL</b>	<b>30 JUL</b>	<b>31 JUL</b>	<b>01 AUG</b>
1	ANDAMAN & NICO.ISLANDS	WS	WS	WS	WS <sup>•</sup>	WS <sup>•</sup>	WS	WS
2	ARUNACHAL PRADESH	FWS	FWS	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>
3	ASSAM & MEGHALAYA	FWS <sup>•</sup>	FWS <sup>•</sup>	WS <sup>••</sup>	WS <sup>••</sup>	WS <sup>••</sup>	WS <sup>••</sup>	WS <sup>•</sup>
4	NAGA.MANI.MIZO.& TRIPURA	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>••</sup>	WS <sup>••</sup>	WS <sup>••</sup>	WS <sup>••</sup>	WS <sup>•</sup>
5	SUB-HIM.W. BENG. & SIKKIM	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>
6	GANGETIC WEST BENGAL	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>	WS	FWS <sup>•</sup>	FWS	WS <sup>•</sup>
7	ODISHA	SCT	SCT	SCT	SCT	SCT	FWS	WS
8	JHARKHAND	WS <sup>•</sup>	WS <sup>•</sup>	WS	FWS	FWS	WS	WS
9	BIHAR	FWS <sup>•</sup>	WS	WS <sup>•</sup>	FWS <sup>•</sup>	FWS	WS <sup>•</sup>	WS <sup>••</sup>
10	EAST UTTAR PRADESH	WS <sup>•</sup>	FWS	SCT <sup>•</sup>	SCT	FWS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>
11	WEST UTTAR PRADESH	WS <sup>•••</sup>	WS <sup>•••</sup>	FWS	FWS	FWS	FWS	SCT
12	UTTARAKHAND	WS <sup>••</sup>	WS <sup>••</sup>	WS <sup>••</sup>	FWS <sup>•</sup>	WS <sup>•</sup>	FWS	FWS
13	HARYANA CHD. & DELHI	WS <sup>••</sup>	FWS <sup>•</sup>	FWS <sup>•</sup>	FWS	SCT	SCT	ISOL
14	PUNJAB	WS <sup>•</sup>	WS <sup>•</sup>	FWS	SCT	SCT	ISOL	ISOL
15	HIMACHAL PRADESH	WS <sup>••</sup>	WS <sup>••</sup>	FWS <sup>•</sup>	SCT	SCT	SCT	SCT
16	JAMMU & KASHMIR	WS <sup>•</sup>	FWS	FWS	SCT	SCT	ISOL	ISOL
17	WEST RAJASTHAN	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
18	EAST RAJASTHAN	FWS <sup>•</sup>	FWS <sup>•</sup>	FWS	SCT	SCT	ISOL	ISOL
19	WEST MADHYA PRADESH	FWS <sup>••</sup>	FWS <sup>••</sup>	FWS <sup>•</sup>	SCT	SCT	ISOL	ISOL
20	EAST MADHYA PRADESH	FWS <sup>•</sup>	FWS	SCT	SCT	FWS <sup>•</sup>	FWS	SCT
21	GUJARAT REGION D.D. & N.H.	SCT	SCT	SCT	SCT	ISOL	ISOL	ISOL
22	SAURASTRA KUTCH & DIU	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
23	KONKAN & GOA	WS	WS	WS	WS	WS	FWS	FWS
24	MADHYA MAHARASHTRA	SCT	ISOL	ISOL	ISOL	SCT	ISOL	ISOL
25	MARATHAWADA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
26	VIDARBHA	FWS	SCT	SCT	SCT	SCT	SCT	ISOL
27	CHHATTISGARH	FWS <sup>•</sup>	SCT	SCT	FWS	FWS	FWS <sup>•</sup>	FWS
28	COASTAL ANDHRA PRADESH	ISOL	ISOL	SCT	SCT	SCT	SCT	SCT
29	TELANGANA	ISOL	ISOL	ISOL	SCT	SCT	SCT	ISOL
30	RAYALASEEMA	ISOL	ISOL	ISOL	SCT	SCT	ISOL	ISOL
31	TAMILNADU & PUDUCHERRY	SCT	ISOL	ISOL	SCT	SCT	SCT	SCT
32	COASTAL KARNATAKA	WS	WS	WS	WS	WS <sup>•</sup>	WS <sup>•</sup>	WS <sup>•</sup>
33	NORTH INT.KARNATAKA	SCT	SCT	ISOL	ISOL	SCT	ISOL	ISOL
34	SOUTH INT.KARNATAKA	FWS	SCT	SCT	SCT	FWS <sup>•</sup>	SCT	SCT
35	KERALA	WS <sup>•</sup>	FWS	FWS	WS	WS <sup>•</sup>	FWS <sup>•</sup>	FWS
36	LAKSHADWEEP	FWS	SCT	SCT	FWS	WS	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	27-Jul Today	28Jul Sat	29Jul Sun	30Jul Mon	31Jul Tue
1. Andaman & Nicobar Islands	WS	WS	WS	WS	WS
2. Arunachal Pradesh	FWS	WS	WS	WS	WS
3. Assam & Meghalaya	FWS	WS	WS	WS	WS
4. N. M. M. & T.	WS	WS	WS	WS	WS
5. S.H. West Bengal & Sikkim	WS	WS	WS	WS	WS
6. Gangetic West Bengal	WS	WS	WS	FWS	FWS
7. Odisha	SCT	SCT	SCT	SCT	SCT
8. Jharkhand	WS	WS	FWS	FWS	FWS
9. Bihar	WS	WS	FWS	FWS	FWS
10. East Uttar Pradesh	FWS	SCT	SCT	FWS	FWS
11. West Uttar Pradesh	WS	FWS	FWS	FWS	FWS
12. Uttarakhand	WS	WS	FWS	WS	WS
13. Haryana, Chd & Delhi	FWS	FWS	FWS	SCT	SCT
14. Punjab	WS	FWS	SCT	SCT	SCT
15. Himachal Pradesh	WS	FWS	SCT	SCT	SCT
16. Jammu & Kashmir	FWS	FWS	SCT	SCT	SCT
17. West Rajsthan	ISOL	ISOL	ISOL	ISOL	ISOL
18. East Rajasthan	FWS	FWS	SCT	SCT	SCT
19. West Madhya Pradesh	FWS	FWS	SCT	SCT	SCT
20. East Madhya Pradesh	FWS	SCT	SCT	FWS	FWS
21. Gujarat Region	SCT	SCT	SCT	ISOL	ISOL
22. Saurashtra & Kutch	ISOL	ISOL	ISOL	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	ISOL	ISOL	ISOL	SCT	SCT
25. Marathawada	ISOL	ISOL	ISOL	ISOL	ISOL
26. Vidharbha	SCT	SCT	SCT	SCT	SCT
27. Chhattisgarh	SCT	SCT	FWS	FWS	FWS
28. Coastal Andhra Pradesh	ISOL	SCT	SCT	SCT	SCT
29. Telangana	ISOL	ISOL	SCT	SCT	SCT
30. Rayalaseema	ISOL	ISOL	SCT	SCT	SCT
31. Tamilnadu & Puducherry	ISOL	ISOL	SCT	SCT	SCT
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	ISOL	ISOL	SCT	SCT
34. South Interior Karnataka	SCT	SCT	SCT	FWS	FWS
35. Kerala	FWS	FWS	WS	WS	WS
36. Lakshadweep	SCT	SCT	FWS	WS	WS

**% 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 26.07.2018)

- **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 66.33 BCM from the previous week's level of 52.26 BCM. Current storage is higher than the last year's position of 58.91 BCM and the average of last 10 year's storage of 57.21 BCM.

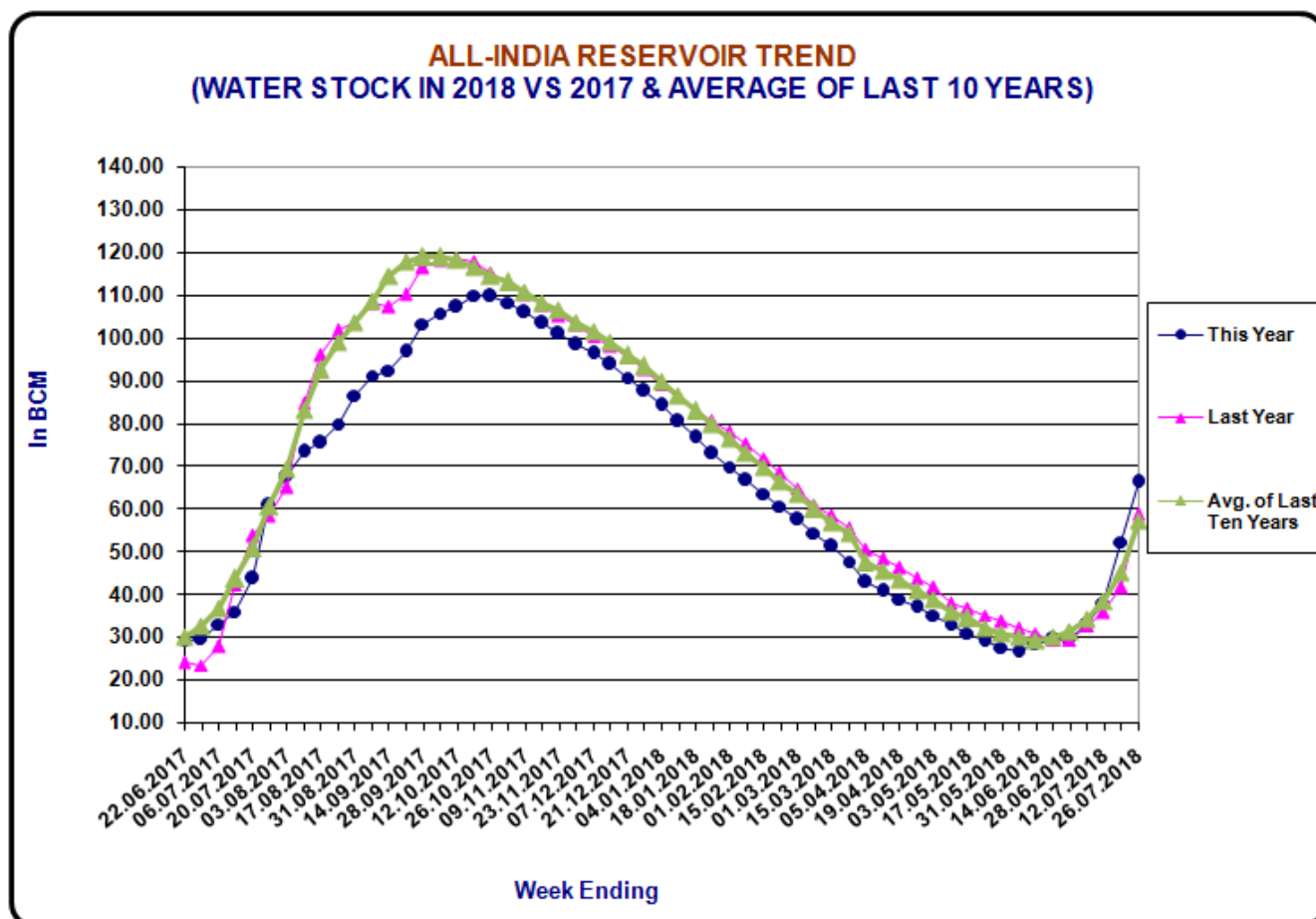
**Table – 2.1 : For 91 major reservoirs of the country**

Period	Storage as % of FRL	Storage as % of last year	Storage as % of 10 year's average level
Current Week	41	113	116
Last Week	33	125	116

The percentage to live capacity at FRL was 36% on 26/07/2017, 36% on 26/07/2016, 37% on 23/07/2015 and 35% on 24/07/2014.

Source: CWC

There were 68 reservoirs having storage more than 80% of normal storage, 13 reservoirs having storage between 51% to 80%, 6 reservoir having storage between 30% to 50% and 4 reservoirs having storage upto 30% of Normal Storage. Out of 91 reservoirs, there is 1 reservoir having no live storage.



Source: Central Water Commission

### 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 26.07.2018)**

*(in '000 Tonnes)*

Availability/Sale/Closing Stock	Urea	DAP	MOP	Complex	SSP
<b>Opening Stock as on 01.04.2018</b>	<b>1004</b>	<b>193</b>	<b>88</b>	<b>727</b>	<b>161</b>
<b>Requirement for Kharif 2018</b>	<b>14891</b>	<b>4918</b>	<b>2025</b>	<b>4973</b>	<b>2625</b>
Cumulative Requirement from April to July, 2018	9725	3203	1322	3010	1692
Cumulative Receipt upto 26.07.2018	8820	2958	1107	2795	1371
Cumulative Availability upto 26.07.2018	9823	3152	1195	3523	1531
Cumulative Sales upto 26.07.2018	8543	2451	899	2376	1309
Closing Stock as on 26.07.2018	1281	700	296	1147	222

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 27.07.2018

**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	223.95	197.63	50.0	225.60	-26.3	-28.0
Jowar	22.34	15.14	14.28	63.9	13.63	-0.9	0.6
Bajra	74.03	54.91	49.71	67.2	61.28	-5.2	-11.6
Maize	74.22	67.83	66.91	90.2	67.92	-0.9	-1.0
<b>Total Coarse Cereals</b>	<b>188.55</b>	<b>144.59</b>	<b>136.23</b>	<b>72.3</b>	<b>148.33</b>	<b>-8.4</b>	<b>-12.1</b>
<b>Total Cereals</b>	<b>583.94</b>	<b>368.54</b>	<b>333.86</b>	<b>57.2</b>	<b>373.93</b>	<b>-34.7</b>	<b>-40.1</b>
Tur	41.90	32.07	35.05	83.6	36.66	3.0	-1.6
Urad	27.00	22.91	29.51	109.3	35.17	6.6	-5.7
Moong	24.93	21.46	27.45	110.1	26.47	6.0	1.0
Kulthi	2.27	0.26	0.63	27.8	0.37	0.4	0.3
Others	15.83	10.86	10.71	67.7	14.57	-0.1	-3.9
<b>Total Pulses</b>	<b>111.93</b>	<b>87.56</b>	<b>103.35</b>	<b>92.3</b>	<b>113.24</b>	<b>15.8</b>	<b>-9.9</b>
<b>Total Foodgrains</b>	<b>695.87</b>	<b>456.10</b>	<b>437.21</b>	<b>62.8</b>	<b>487.17</b>	<b>-18.9</b>	<b>-50.0</b>
Groundnut	42.01	32.37	28.96	68.9	33.05	-3.4	-4.1
Soyabean	112.51	101.85	101.53	90.2	95.70	-0.3	5.8
Sunflower	2.24	1.10	0.70	31.2	1.12	-0.4	-0.4
Sesamum	17.50	10.20	8.07	46.1	9.67	-2.1	-1.6
Nigerseed	2.70	0.37	0.41	15.1	0.43	0.0	0.0
Castorseed	10.51	1.88	1.07	10.2	2.41	-0.8	-1.3
<b>Total Oilseeds</b>	<b>187.47</b>	<b>147.76</b>	<b>140.74</b>	<b>75.06</b>	<b>142.38</b>	<b>-7.0</b>	<b>-1.6</b>
Cotton	119.75	103.80	102.51	85.6	111.38	-1.3	-8.9
Sugarcane	48.84	45.45	50.52	103.4	49.72	5.1	0.8
Jute & Mesta	8.11	7.60	6.98	86.1	7.04	-0.6	-0.1
<b>All- Crops</b>	<b>1060.04</b>	<b>760.72</b>	<b>737.96</b>	<b>69.62</b>	<b>797.69</b>	<b>-22.8</b>	<b>-59.7</b>

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 27.07.2018

Table: 7.1

(lakh tonnes)

State	Target in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 27.07.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
<b>Andhra Pradesh</b>	<b>43.00</b>	39.60	37.15
<b>Telangana</b>	<b>34.00</b>	36.21	35.93
<b>Bihar</b>	<b>12.00</b>	7.93	12.34
<b>Chhattisgarh</b>	<b>48.00</b>	32.55	40.22
<b>Haryana</b>	<b>30.00</b>	39.92	35.83
<b>Jharkhand</b>	<b>2.50</b>	1.43	1.39
<b>Kerala</b>	<b>2.32</b>	3.29	3.03
<b>Madhya Pradesh</b>	<b>13.00</b>	10.96	13.14
<b>Maharashtra</b>	<b>4.34</b>	1.79	3.06
<b>Odisha</b>	<b>37.00</b>	32.80	35.87
<b>Punjab</b>	<b>115.00</b>	118.33	110.52
<b>Tamil Nadu</b>	<b>15.00</b>	8.40	1.41
<b>Uttar Pradesh</b>	<b>37.00</b>	28.75	23.54
<b>Uttrakhand</b>	<b>7.00</b>	0.38	7.06
<b>West Bengal</b>	<b>27.00</b>	0.59	18.95
<b>All-India</b>	<b>430.00</b>	<b>363.47</b>	<b>380.08</b>