

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: 18.12.2017

SUBJECT: MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON 15.12.2017.

Summary observations of the Group on Agenda Items

- *In the Post-monsoon season, at All-India level, the rainfall during the week (07th December, 2017 – 13th December, 2017) has been 110% 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 455% in North West India & 273% in East & North East India but lower than LPA by 79% in South Peninsula and 44% in Central India.*
- *The cumulative rainfall in the country during the Post-monsoon season i.e. 01st October to 13th December, 2017 has been 06% 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 East & North East India but lower than LPA by 47% in North West India, 08% in South Peninsula and 06% in Central India.*
- *Out of 36 met sub-divisions, 07 met subdivisions constituting 18% of the total area of the country has received large excess/ excess rainfall, 14 met subdivisions constituting 34% of the total area of the country has received normal rainfall, 15 met sub-divisions constituting 48% 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 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 14th December, 2017 has been 94.05 BCM as against 98.13 BCM on 14.12.2016 (last year) and 98.99 BCM of normal (average of the last 10 years) storage. Current year's storage is 96% of last year's storage and 95% of the average of last 10 year's storage.*
- *The All Commodities inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of November, 2017 increased to 3.93% from the level of 3.59 in the month of October, 2017. The inflation rate was 1.82% during the corresponding period of last year.*
- *The Primary Articles inflation rate based on Wholesale Price Index (WPI) on a point to point basis for the month of November, 2017, increased to 5.28% from the level of 3.33% in the month of October, 2017. The inflation rate was 1.34% during the corresponding period of last year.*

- *The inflation for non-food items has decreased to (-) 0.68% from the previous month's level of (-) 0.67% and for the food items increased to 6.06% from the previous month's level of 4.30%.*
- *Among the foodgrains, the inflation for Cereals has decreased to (-) 2.13% from the previous month's level of (-) 0.07%, Pulses to (-) 35.48% from the previous month's level of (-) 31.05%, Paddy to 2.90% from the previous month's level of 3.10% and Wheat (-) 5.75% from the previous month's level of (-) 1.99%.*
- *All-India progressive procurement of Rice as on 15.12.2017 for 2017-18 was 209.05 lakh tonnes against the procurement of 186.02 lakh tonnes in the corresponding period of last year. The procurement of wheat for the rabi marketing season (RMS) 2017-18 was 308.25 lakh tonnes against the procurement of 229.62 lakh tonnes in the corresponding period of RMS 2016-17.*

1. **Post-monsoon Season (October – December) during the week ending 13th December, 2017**

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

- **Rainfall during the week (07th December, 2017 to 13th December, 2017)** Rainfall was large excess/excess in 12 subdivisions, normal in 03, deficient/large deficient in 16 subdivisions and no rain in 05 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01st October, 2017 to 13th December, 2017)** Rainfall was large excess/excess in 07, normal in 14 and deficient/large deficient in 15 sub-divisions out of 36 meteorological sub-divisions.

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

Region	Week Ending (13.12.2017)				Cumulative (01.10.17 to 13.12.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	21.1	3.8	455	LE	25.2	47.7	-47	D
Central India	1.1	1.9	-44	D	72.3	77.2	-6	N
South Peninsular India	2.3	10.8	-79	LD	241.2	261.5	-8	N
East & North-East India	13.4	3.6	273	LE	200.6	163.2	23	E
Country as a whole	9.4	4.5	110	LE	111.5	118.3	-6	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 Oct. to 13th Dec., 2017

No. of Sub-Divisions with rainfall	For the period from 1 st October to					
	12 DEC 2012	11 DEC 2013	10 DEC 2014	16 DEC 2015	14 DEC 2016	13 DEC 2017
Large Excess	-	-	-	-	03	01
Excess	02	18	01	06	02	06
Normal	14	06	09	04	06	14
Total	16	24	10	10	11	21
Deficient	07	12	11	08	11	06
Large Deficient	-	-	-	-	14	09
Scanty	13	00	15	18	-	-
No rain	00	00	00	00	00	00
Total	20	12	26	26	25	15
Data Inadequate	00	00	00	00	00	00
TOTAL	36	36	36	36	36	36
All-India % Rainfall Deviation	(-) 21%	25%	(-) 35%	(-) 20%	(-) 43%	(-) 06%

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 15th Dec. to 19th Dec., 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 & Telangana, 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								
S.No.	MET.SUB-DIVISIONS	07 DEC	08 DEC	09 DEC	10 DEC	11 DEC	12 DEC	13 DEC
1	ANDAMAN & NICO.ISLANDS	WS	WS	FWS	ISOL	ISOL	DRY	DRY
2	ARUNACHAL PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	SCT
3	ASSAM & MEGHALAYA	DRY	DRY	ISOL	ISOL	ISOL	ISOL	ISOL
4	NAGA.MANI.MIZO.& TRIPURA	DRY	ISOL	FWS	FWS	WS	FWS	ISOL
5	SUB-HIM.W. BENG. & SIKKIM	DRY	DRY	DRY	ISOL	DRY	DRY	DRY
6	GANGETIC WEST BENGAL	DRY	DRY	SCT	WS	FWS	ISOL	DRY
7	ODISHA	DRY	ISOL	SCT	ISOL	DRY	DRY	DRY
8	JHARKHAND	DRY	DRY	DRY	ISOL	ISOL	DRY	DRY
9	BIHAR	DRY	DRY	DRY	ISOL	DRY	DRY	DRY
10	EAST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	ISOL	ISOL
11	WEST UTTAR PRADESH	ISOL	DRY	DRY	DRY	DRY	SCT	DRY
12	UTTARAKHAND	ISOL	SCT	DRY	DRY	DRY	WS	FWS
13	HARYANA CHD. & DELHI	ISOL	DRY	DRY	DRY	ISOL	WS	DRY
14	PUNJAB	DRY	DRY	DRY	DRY	SCT	WS	ISOL
15	HIMACHAL PRADESH	ISOL	ISOL	DRY	DRY	ISOL	WS	WS
16	JAMMU & KASHMIR	ISOL	DRY	DRY	DRY	FWS	WS	WS
17	WEST RAJASTHAN	DRY	DRY	DRY	ISOL	ISOL	ISOL	DRY
18	EAST RAJASTHAN	ISOL	DRY	DRY	DRY	ISOL	SCT	DRY
19	WEST MADHYA PRADESH	SCT	DRY	DRY	DRY	DRY	ISOL	ISOL
20	EAST MADHYA PRADESH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
21	GUJARAT REGION D.D. & N.H.	ISOL	DRY	DRY	DRY	ISOL	ISOL	DRY
22	SAURASTRA KUTCH & DIU	DRY	DRY	DRY	DRY	DRY	DRY	DRY
23	KONKAN & GOA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
24	MADHYA MAHARASHTRA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
25	MARATHAWADA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
26	VIDARBHA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
27	CHHATTISGARH	DRY	DRY	DRY	DRY	DRY	DRY	DRY
28	COASTAL ANDHRA PRADESH	DRY	DRY	ISOL	DRY	DRY	DRY	ISOL
29	TELANGANA	DRY	DRY	DRY	DRY	DRY	DRY	DRY
30	RAYALASEEMA	DRY	ISOL	DRY	DRY	DRY	DRY	DRY
31	TAMILNADU & PUDUCHERRY	ISOL	ISOL	ISOL	ISOL	DRY	ISOL	ISOL
32	COASTAL KARNATAKA	ISOL	DRY	DRY	DRY	DRY	DRY	DRY
33	NORTH INTERIOR KARNATAKA	ISOL	ISOL	DRY	DRY	DRY	DRY	DRY
34	SOUTH INTERIOR KARNATAKA	DRY	ISOL	DRY	DRY	DRY	DRY	ISOL
35	KERALA	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL	ISOL
36	LAKSHADWEEP	DRY	DRY	DRY	DRY	SCT	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%)	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)								

Table: 1.4

Met-Sub-Division	15-Dec Today	16Dec Sat	17Dec Sun	18Dec Mon	19Dec Tue
1. Andaman & Nicobar Islands	ISOL	SCT	SCT	FWS	SCT
2. Arunachal Pradesh	DRY	DRY	DRY	DRY	DRY
3. Assam & Meghalaya	DRY	DRY	DRY	DRY	DRY
4. N. M. M. & T.	DRY	DRY	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	DRY	DRY	DRY	DRY	DRY
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	DRY	DRY	DRY	DRY	DRY
8. Jharkhand	DRY	DRY	DRY	DRY	DRY
9. Bihar	DRY	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	DRY	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	SCT	ISOL	ISOL	ISOL	ISOL
17. West Rajsthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	DRY	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	DRY	DRY	DRY	DRY	DRY
24. Madhya Maharashtra	DRY	DRY	DRY	DRY	DRY
25. Marathawada	DRY	DRY	DRY	DRY	DRY
26. Vidharbha	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	DRY	DRY	DRY	DRY	DRY
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	DRY	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	DRY	DRY	DRY	DRY
35. Kerala	ISOL	ISOL	DRY	DRY	DRY
36. Lakshadweep	ISOL	ISOL	ISOL	DRY	DRY

% 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		

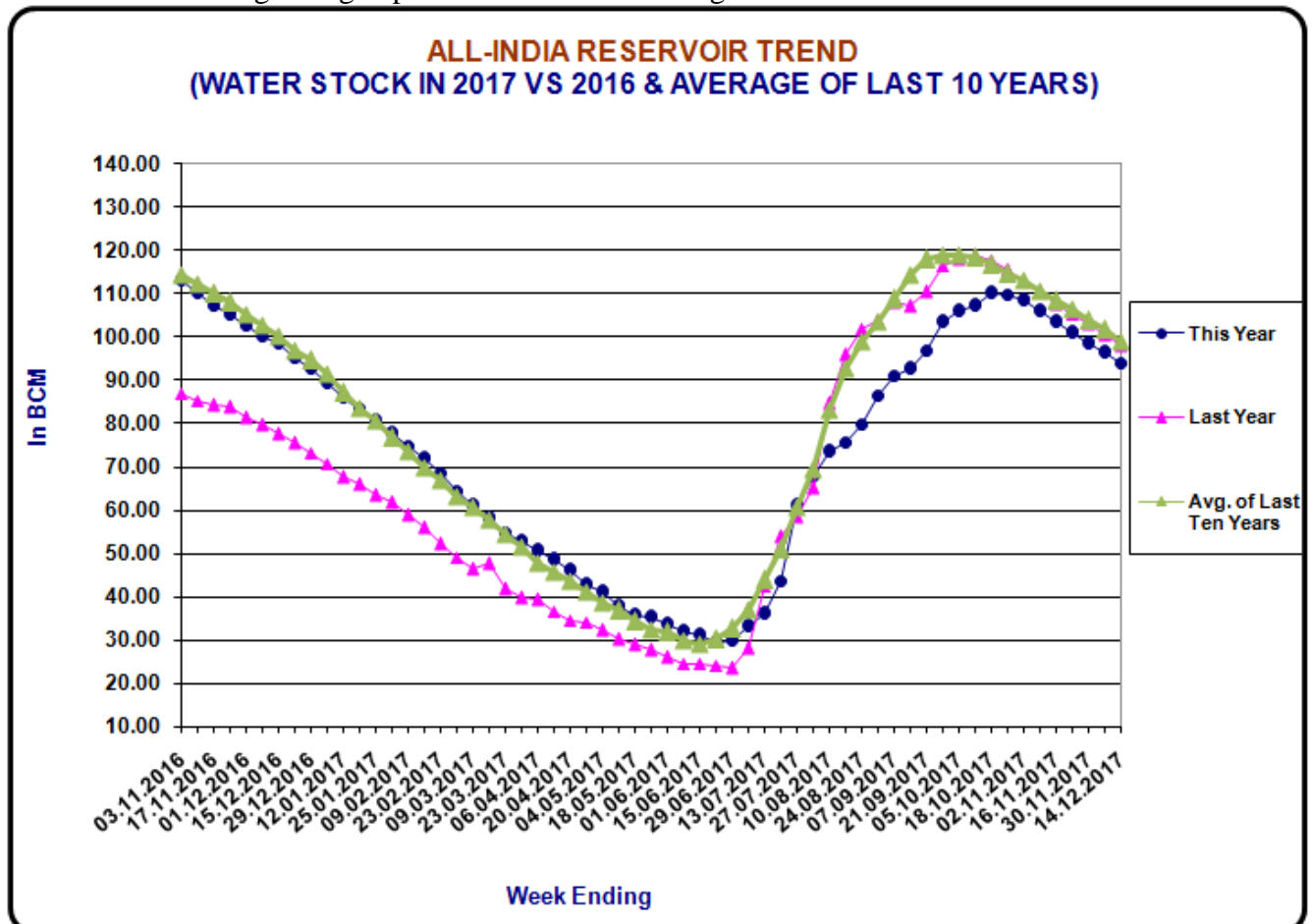
2. Reservoir Status (For the week ending on 14.12.2017)

- **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 of 253.39 BCM in the country.
- Water stock in 91 major reservoirs decreased to 94.05 BCM from the previous week's level of 96.44 BCM. Current storage is lower than the last year's position of 98.13 BCM and the average of last 10 year's storage of 98.99 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	58	96	95
Last Week	61	96	95
The percentage to live capacity at FRL was 61% on 14/12/2016, 48% on 14/12/2015, 61% on 14/12/2014 and 72% on 14/12/2013.			
<i>Source: CWC</i>			

There were 67 reservoirs having storage more than 80% of normal storage, 18 reservoirs having storage between 50% to 80%, 03 reservoir having storage between 30% to 50%, 03 reservoirs having storage upto 30% of Normal 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 Rabi 2017 (As on 14.12.2017)

(in '000 Tonnes)

Availability / Sale / Closing Stock	Urea	DAP	MOP	Complex	SSP
Opening Stock as on 01.10.2017	1080	967	214	966	242
Requirement for Rabi, 2017	15430	5083	1670	5046	2948
Requirement upto December, 2017	3403	903	306	964	533
Availability upto 14.12.2017	7466	3399	963	3037	1164
Sales upto 14.12.2017	6111	2866	624	1738	864
Closing Stock upto 14.12.2017	1355	533	339	1299	300

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

4. Pest & Diseases:

- CIPMC-Nagpur reported Pink bollworm and Tur pod borer incidence to be above ETL at Nagpur, Amravati, Akola, Jalna and Aurangabad districts of Maharashtra.
- CIPMC- Trichy reported Basal rot incidence in Onion to be between Traces to Moderate at Perambalur and Alathur of Tamil Nadu.
- No shortage of Chemical / Bio-pesticides was reported from any State / UT.

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

6: Percentage Variations in the Wholesale Price Indices (WPI) of Major items

Table: 6.1

Period / Commodities	Weight	Inflation (year on year)		
		Nov-2017	Oct-2017	Nov-2016
All Commodities	100	3.93	3.59	1.82
Primary Articles	22.62	5.28	3.33	1.34
(a) Food Articles	15.26	6.06	4.30	2.45
Cereals	2.82	-2.13	-0.07	9.89
Paddy	1.43	2.90	3.10	6.93
Wheat	1.03	-5.75	-1.99	13.86
Pulses	0.64	-35.48	-31.05	18.97
Gram	0.26	-40.66	-32.22	80.17
Arhar	0.13	-37.62	-37.34	-17.60
Moong	0.07	-13.81	-15.27	-28.47
Masur	0.05	-25.96	-25.33	-11.07
Urad	0.09	-34.34	-35.83	-7.96
Vegetables	1.87	59.80	36.61	-17.31
Potato	0.28	-40.73	-44.29	32.59
Onion	0.16	178.19	127.04	-55.32
Fruits	1.60	4.19	3.96	5.51
Milk	4.44	3.86	3.86	3.38
Egg, Meat & Fish	2.40	4.73	5.76	0.85
(b) Non-Food Articles	4.12	-0.68	-0.67	-2.81
Oilseeds	1.12	-0.70	-2.51	-9.80
Fuel & Power	13.15	8.82	10.52	2.11

7: All India Crop Situation

Table: 7.1

All India Crop Situation - Rabi (2017-18) as on 15-12-2017						(Area in lakh hectares)
Crop Name	Normal Area	Area sown			Absolute Change over (+/-)	% Change over
		This Year	% of Normal	Last Year	Last Year	Last Year
Wheat	304.43	245.50	80.6	250.48	-5.0	-2.0
Rice	41.07	12.88	31.4	9.25	3.6	39.2
Jowar	37.52	28.25	75.3	29.89	-1.6	-5.5
Maize	15.73	11.33	72.0	11.02	0.3	2.8
Barley	6.62	6.62	100.0	6.64	0.0	-0.3
Total Coarse Cereals	59.87	46.93	78.4	47.92	-1.0	-2.1
Total Cereals	405.37	305.31	75.3	307.65	-2.3	-0.8
Gram	86.80	96.23	110.9	84.65	11.6	13.7
Lentil	14.14	15.53	109.8	15.26	0.3	1.8
Peas	8.72	8.46	97.0	8.87	-0.4	-4.6
Kulthi(Horse Gram)	2.20	3.70	168.5	3.03	0.7	22.4
Urad	7.85	4.78	60.9	4.79	0.0	-0.2
Moong	9.26	1.74	18.8	2.33	-0.6	-25.5
Lathyrus	4.70	3.44	73.3	3.61	-0.2	-4.7
Others	3.55	4.30	121.2	4.48	-0.2	-4.0
Total Pulses	137.22	138.19	100.7	127.02	11.2	8.8
Total Foodgrains	542.59	443.50	81.7	434.67	8.8	2.0
Rapeseed & Mustard	60.89	60.99	100.2	65.52	-4.5	-6.9
Groundnut	8.22	3.84	46.7	3.37	0.5	13.8
Safflower	1.83	0.69	37.5	0.84	-0.2	-18.0
Sunflower	4.33	1.32	30.6	1.23	0.1	7.4
Sesamum	2.97	0.28	9.3	0.31	0.0	-10.6
Linseed	2.92	3.35	114.8	2.75	0.6	21.8
Total Oilseeds (Nine)	81.16	70.73	87.1	74.46	-3.7	-5.0
All- Crops	623.75	514.22	82.4	509.12	5.1	1.0

Source: Crops & TMOP Divisions, DAC&FW

8. Progressive procurement of Rice as on 15.12.2017 (lakh tonnes)

Table: 8.1

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 15.12.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	6.54	4.44
Telangana	15.00	10.09	7.82
Bihar	12.00	0.06	0.00
Chhattisgarh	48.00	13.49	15.51
Haryana	30.00	39.67	35.70
Kerala	1.00	0.83	1.15
Madhya Pradesh	13.00	3.85	3.55
Maharashtra	4.00	0.62	0.75
Odisha	30.00	2.76	0.56
Punjab	115.00	118.20	110.42
Tamil Nadu	10.00	-	0.08
Uttar Pradesh	37.00	12.39	3.20
Uttarakhand	7.00	0.29	2.63
West Bengal	23.00	-	-
All-India	375.00	209.05	186.02

9. Progressive procurement of Wheat as on 15.12.2017 (lakh tonnes)

Table: 9.1

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 15.12.2017	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Haryana	75.00	74.32	67.52
Madhya Pradesh	85.00	67.25	39.92
Punjab	115.00	117.06	106.49
Rajasthan	17.50	12.45	7.62
Uttar Pradesh	30.00	36.99	7.97
All-India	330.00	308.25	229.62