

**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: 08.01.2018

**SUBJECT:MINUTES OF THE MEETING OF THE CROP WEATHER WATCH GROUP HELD ON  
05.01.2018.**

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

- *In the Post-monsoon season, at All-India level, the rainfall during the week (28<sup>th</sup> December, 2017 – 03<sup>rd</sup> January, 2018) has been 89% lower than Long Period Average (LPA). Rainfall in the four broad geographical divisions of the country during the above period have been lower than LPA by 99% each in North West India & Central India, 69% in South Peninsula and 58% in East & North East India.*
- *The cumulative rainfall in the country during the Post-monsoon season i.e. 01<sup>st</sup> October to 31<sup>st</sup> December, 2017 has been 11% 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 East & North East India but lower than LPA by 56% in North West India, 11% in South Peninsula and 09% in Central India.*
- *Out of 36 met sub-divisions, 05 met subdivisions constituting 13% of the total area of the country has received large excess/ excess rainfall, 14 met subdivisions constituting 28% of the total area of the country has received normal rainfall, 17 met sub-divisions constituting 59% 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 04<sup>th</sup> January, 2018 has been 84.24 BCM as against 89.20 BCM on 04.01.2017 (last year) and 89.80 BCM of normal (average of the last 10 years) storage. Current year's storage is 94% each of last year's storage and average of last 10 year's storage.*
- *All-India progressive procurement of Rice as on 05.01.2018 for 2017-18 was 252.68 lakh tonnes against the procurement of 229.20 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 03<sup>rd</sup> January, 2017**

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

- **Rainfall during the week (28<sup>th</sup> December, 2017 to 03<sup>rd</sup> January, 2018)** Rainfall was large excess/excess in 03 subdivisions, large deficient in 06 subdivisions and no rain in 27 subdivisions out of 36 meteorological sub-divisions.
- **Cumulative rainfall (01<sup>st</sup> October, 2017 to 31<sup>st</sup> December, 2017)** Rainfall was large excess/excess in 05, normal in 14 and deficient/large deficient in 17 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 (03.01.2018)				Cumulative (01.10.17 to 31.12.17)			
	(in mm)		Devi- ation (%)	Cat.	(in mm)		Devi- ation (%)	Cate- gory
	Actual	Normal			Actual	Normal		
North-West India	0.0	7.0	-99	LD	27.5	62.7	-56	D
Central India	0.0	1.3	-99	LD	72.3	79.6	-9	N
South Peninsular India	1.0	3.1	-69	LD	243.6	273.3	-11	N
East & North-East India	1.3	3.2	-58	D	200.9	171.4	17	N
Country as a whole	0.4	3.8	-89	LD	112.7	127.2	-11	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> Oct. to 03<sup>rd</sup> Jan, 2018**

No. of Sub-Divisions with rainfall	For the period from 1 <sup>st</sup> October to					
	31 DEC 2012	31 DEC 2013	31 DEC 2014	31 DEC 2015	31 DEC 2016	31 DEC 2017
Large Excess	-	-	-	-	03	01
Excess	02	16	02	05	01	04
Normal	13	06	10	05	06	14
<b>Total</b>	<b>15</b>	<b>22</b>	<b>12</b>	<b>10</b>	<b>10</b>	<b>19</b>
Deficient	09	13	13	08	13	08
Large Deficient	-	-	-	-	13	09
Scanty	12	01	11	18	-	-
No rain	00	00	00	00	00	00
<b>Total</b>	<b>21</b>	<b>14</b>	<b>24</b>	<b>26</b>	<b>26</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>(-) 21%</b>	<b>18%</b>	<b>(-) 33%</b>	<b>(-) 23%</b>	<b>(-) 45%</b>	<b>(-) 11%</b>

Source: IMD

- Sub-division-wise 5 days rainfall forecast from 05<sup>th</sup> Jan. to 09<sup>th</sup> Jan., 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 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**

<b>METEOROLOGICAL SUB-DIVISIONWISE DISTRIBUTION OF REALISED RAINFALL 2017-18</b>								
<b>S.No.</b>	<b>MET.SUB-DIVISIONS</b>	<b>28 DEC</b>	<b>29 DEC</b>	<b>30 DEC</b>	<b>31 DEC</b>	<b>01 JAN</b>	<b>02 JAN</b>	<b>03 JAN</b>
1	ANDAMAN & NICO.ISLANDS	SCT	FWS	FWS	FWS*	ISOL	ISOL	WS
2	ARUNACHAL PRADESH	D	D	D	D	D	D	SCT
3	ASSAM & MEGHALAYA	D	D	D	D	D	ISOL	SCT
4	NAGA.MANI.MIZO.& TRIPURA	D	D	D	D	ISOL	ISOL	SCT
5	SUB-HIM.W. BENG. & SIKKIM	D	D	D	D	D	D	D
6	GANGETIC WEST BENGAL	D	D	D	D	D	D	D
7	ODISHA	D	D	D	D	ISOL	ISOL	D
8	JHARKHAND	D	D	D	D	D	D	D
9	BIHAR	D	D	D	D	D	D	D
10	EAST UTTAR PRADESH	D	D	D	D	D	D	D
11	WEST UTTAR PRADESH	D	D	D	D	D	D	D
12	UTTARAKHAND	D	D	D	D	D	D	D
13	HARYANA CHD. & DELHI	D	D	D	D	D	D	D
14	PUNJAB	D	D	D	D	D	D	D
15	HIMACHAL PRADESH	D	D	D	D	D	ISOL	D
16	JAMMU & KASHMIR	ISOL	D	D	D	D	D	D
17	WEST RAJASTHAN	D	D	D	D	D	D	D
18	EAST RAJASTHAN	D	D	D	D	D	D	D
19	WEST MADHYA PRADESH	D	D	D	D	D	D	D
20	EAST MADHYA PRADESH	D	D	D	D	D	D	D
21	GUJARAT REGION D.D. & N.H.	D	D	D	D	D	D	D
22	SAURASTRA KUTCH & DIU	D	D	D	D	D	D	D
23	KONKAN & GOA	D	D	D	D	D	D	D
24	MADHYA MAHARASHTRA	D	D	D	D	D	D	D
25	MARATHAWADA	D	D	D	D	D	D	D
26	VIDARBHA	D	D	D	D	D	D	D
27	CHHATTISGARH	D	D	D	D	D	D	D
28	COASTAL ANDHRA PRADESH	D	D	ISOL	D	ISOL	D	D
29	TELANGANA	D	D	D	D	D	D	D
30	RAYALASEEMA	D	D	ISOL	D	D	D	D
31	TAMILNADU & PUDUCHERRY	D	D	D	D	ISOL	D	D
32	COASTAL KARNATAKA	D	D	D	D	D	D	D
33	NORTH INT.KARNATAKA	D	D	D	D	D	D	D
34	SOUTH INT.KARNATAKA	D	D	D	D	D	D	D
35	KERALA	D	D	D	D	D	D	D
36	LAKSHADWEEP	D	D	D	D	D	D	D
<b>LEGENDS:</b>								
<b>WS</b>	<b>WIDE SPREAD / MOST PLACES (76-100%)</b>	<b>FWS</b>	<b>FAIRLY WIDE SPREAD / MANY PLACES (51% to 75%)</b>					
<b>SCT</b>	<b>SCATTERED / FEW PLACES (26% to 50%)</b>	<b>ISOL</b>	<b>ISOLATED (up to 25%)</b>	<b>D/DRY</b>	<b>NO STATION REPORTED RAINFALL</b>			
* <b>ACTIVE (R/F <math>1\frac{1}{2}</math>- 4 times the normal with WS/FWS, at least 2 stations should be 5 cm. along west coast &amp; 3 cm. elsewhere )</b>								
** <b>VIGOROUS (R/F More than 4 times the normal with WS/FWS, at least 2 stations should be 8 cm. along west coast &amp; 5 cm. elsewhere)</b>								

**Table: 1.4**

Met-Sub-Division	05-Jan Today	06Jan Sat	07Jan Sun	08Jan Mon	09Jan Tue
1. Andaman & Nicobar Islands	FWS	SCT	SCT	ISOL	ISOL
2. Arunachal Pradesh	ISOL	ISOL	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	ISOL	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	ISOL	DRY	DRY	DRY	DRY
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	DRY	DRY	DRY	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	DRY	DRY	DRY	DRY	DRY
36. Lakshadweep	ISOL	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 Widespred (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

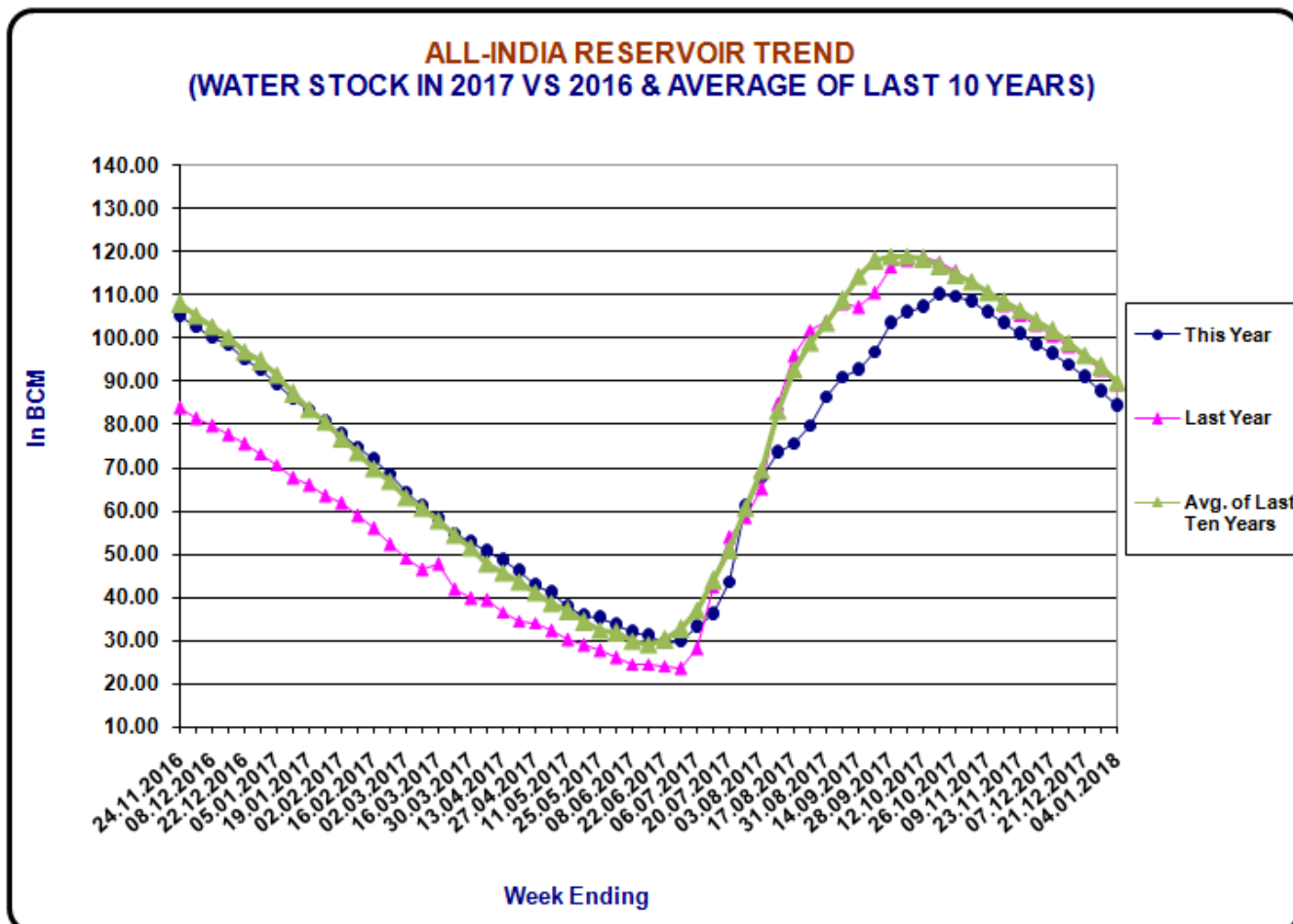
## 2. Reservoir Status (For the week ending on 04.01.2018)

- **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 84.24 BCM from the previous week's level of 87.58 BCM. Current storage is lower than the last year's position of 89.20 BCM and the average of last 10 year's storage of 89.80 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	52	94	94
Last Week	56	95	94
The percentage to live capacity at FRL was 55% on 04/01/2017, 44% on 04/01/2016, 56% on 04/01/2015 and 66% on 04/01/2014.			
<i>Source: CWC</i>			

There were 61 reservoirs having storage more than 80% of normal storage, 24 reservoirs having storage between 50% to 80%, 01 reservoir having storage between 30% to 50%, 05 reservoirs having storage upto 30% of Normal Storage and 01 reservoir 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 Rabi 2017 (As on 31.12.2017)**

(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 31.12.2017	9292	3699	1114	3509	1350
Sales upto 31.12.2017	8565	3265	827	2336	1061
Closing Stock upto 31.12.2017	727	434	287	1174	289

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

### 4. Pest & Diseases:

- CIPMC-Nagpur reported Pink Bollworm incidence in Cotton to be above ETL in Amravati district of Maharashtra. The crop stage is at last picking and termination.
- CIPMC-Nagpur reported Spotted pod borer incidence in Tur (Red gram) to be above ETL in Amravati district of Maharashtra. The crop stage is flowering to pod development.
- CIPMC-Lucknow reported Scale insect incidence in Mango orchard at Moderate to Severe and Gummosis disease at Low to Moderate intensity at Pratapgarh district of Uttar Pradesh.
- CIPMC-Lucknow reported Panama wilt and *Erwinia* rot at Low to Moderate intensity and Sigatoka disease at Moderate to Severe in Banana crop at Faizabad district of Uttar Pradesh. The crop is at vegetative to fruiting stage. An advisory has been issued.
- CIPMC-Guwahati reported Swarming caterpillar incidence in Mustard crop at Trace to Moderate in Morigaon district of Guwahati.
- 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

Table: 6.1

<b>All India Crop Situation - Rabi (2017-18) as on 05-01-2018</b>						(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	283.46	93.1	297.67	-14.2	-4.8
Rice	41.07	18.77	45.7	12.99	5.8	44.5
Jowar	37.52	29.78	79.4	31.13	-1.4	-4.3
Maize	15.73	14.42	91.7	13.97	0.4	3.2
Barley	6.62	7.49	113.2	7.21	0.3	3.9
Total Coarse Cereals	59.87	52.54	87.8	52.75	-0.2	-0.4
Total Cereals	405.37	354.77	87.5	363.41	-8.6	-2.4
Gram	86.80	103.80	119.6	92.13	11.7	12.7
Lentil	14.14	17.04	120.5	16.56	0.5	2.9
Peas	8.72	9.49	108.8	9.85	-0.4	-3.6
Kulthi(Horse Gram)	2.20	4.05	184.4	3.67	0.4	10.3
Urad	7.85	6.93	88.2	7.29	-0.4	-5.0
Moong	9.26	4.20	45.3	4.15	0.1	1.2
Lathyrus	4.70	3.79	80.7	4.11	-0.3	-7.6
Others	3.55	5.61	158.2	5.70	-0.1	-1.6
Total Pulses	137.22	154.91	112.9	143.45	11.5	8.0
Total Foodgrains	542.59	509.68	93.9	506.85	2.8	0.6
Rapeseed & Mustard	60.89	65.25	107.2	69.53	-4.3	-6.2
Groundnut	8.22	4.59	55.9	4.28	0.3	7.3
Safflower	1.83	0.77	42.0	1.01	-0.2	-23.9
Sunflower	4.33	1.53	35.3	1.41	0.1	8.1
Sesamum	5.13	0.36	7.1	0.43	-0.1	-16.4
Linseed	2.92	3.86	132.1	3.62	0.2	6.7
Total Oilseeds (Nine)	83.32	76.69	92.0	80.77	-4.1	-5.1
All- Crops	625.91	586.37	93.7	587.62	-1.3	-0.2

Source: Crops & TMOP Divisions, DAC&FW

7. Progressive procurement of Rice as on 05.01.2018 (lakh tonnes)

Table: 7.1

State	Target (only kharif crop) in marketing season 2017-18 (Oct. – Sept.)	Progressive Procurement as on 05.01.2018	
		In Marketing season 2017-2018	In Marketing season 2016-2017
Andhra Pradesh	25.00	14.16	11.04
Telangana	15.00	11.68	10.10
Bihar	12.00	1.12	0.21
Chhattisgarh	48.00	27.69	34.11
Haryana	30.00	39.67	35.70
Kerala	1.00	0.91	1.25
Madhya Pradesh	13.00	8.71	9.26
Maharashtra	4.00	1.00	1.22
Odisha	30.00	8.38	4.89
Punjab	115.00	118.33	110.44
Tamil Nadu	10.00	-	0.08
Uttar Pradesh	37.00	20.26	7.17
Uttrakhand	7.00	0.34	3.38
West Bengal	23.00	-	-
All-India	375.00	252.68	229.20

8.

8. Progressive procurement of Wheat as on 05.01.2018 (lakh tonnes)

Table: 8.1

State	Target in marketing season 2017-18 (April – March)	Progressive Procurement as on 05.01.2018	
		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