



National Agromet Advisory Service Bulletin
Based on
Extended Range Weather Forecast (ERFS)

Validity: 5 to 18 January, 2018

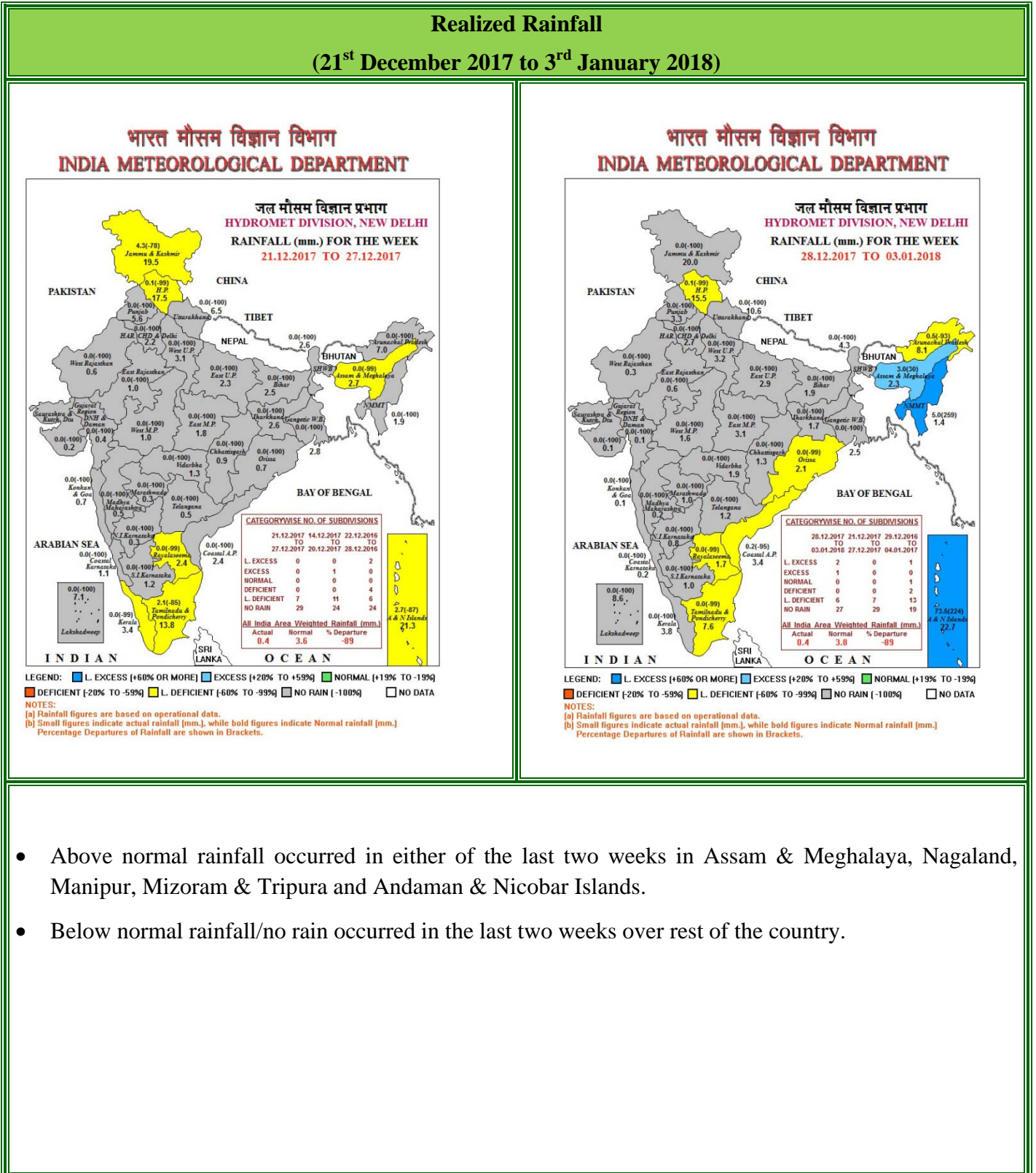
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&
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India Meteorological Department

Realized Rainfall and Extended Range Forecast (Rainfall and Temperature)

Realized Rainfall

(21st December 2017 to 3rd January 2018)

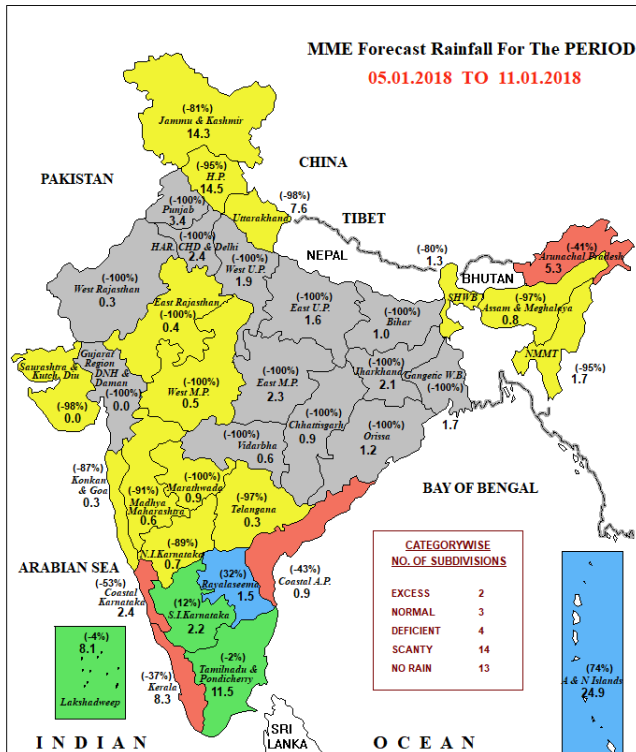


- Above normal rainfall occurred in either of the last two weeks in Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura and Andaman & Nicobar Islands.
- Below normal rainfall/no rain occurred in the last two weeks over rest of the country.

Extended Range Forecast System

Rainfall forecast maps for the next 2 weeks (IC -03 January) (5th to 18th January 2018)

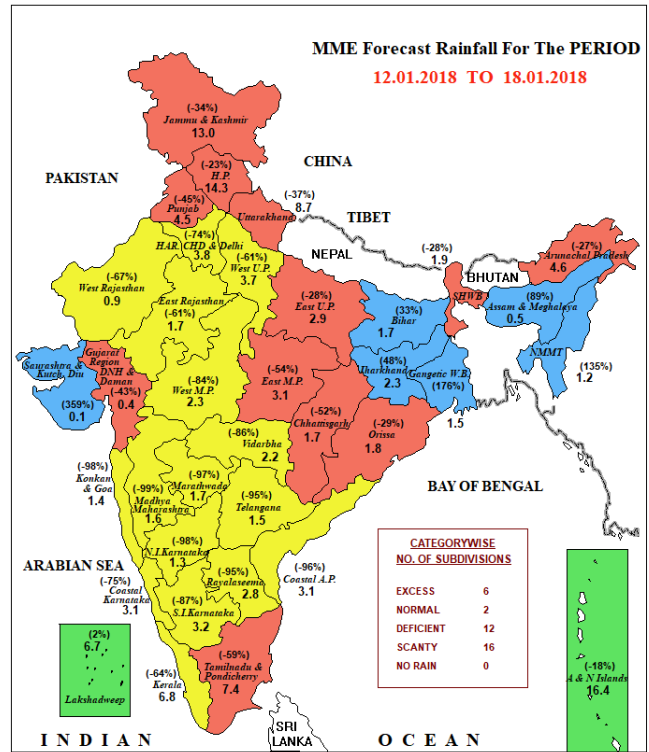
भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



LEGEND: ■ EXCESS (+20% OR MORE) ■ NORMAL (+19% TO -19%) ■ DEFICIENT [-20% TO -59%]
■ SCANTY [-60% TO -99%] ■ NO RAIN [-100%] NO DATA

NOTES:
 (a) Rainfall figures are based on MME Forecast.
 (b) Bold figures indicate Forecast Normal rainfall [mm.]
 (c) Percentage Departures of Rainfall are shown in Brackets.

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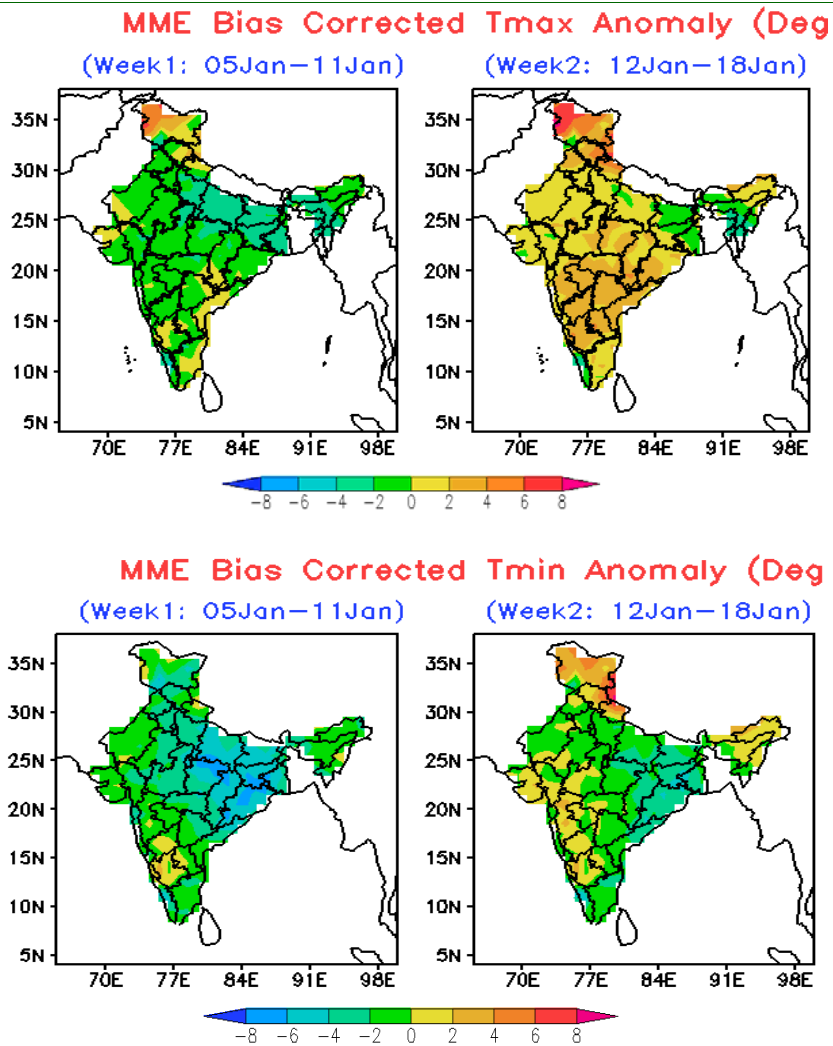
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Extended Range Rainfall Forecast

- No significant weather system and rainfall during the period. However, during week-1 (5-11 January), normal rainfall is forecasted over Tamilnadu.

**Maximum and Minimum temperatures anomaly ($^{\circ}\text{C}$) forecast for next 2 weeks
(IC - 3 January) (5th to 18th January 2018)**



Tmax (Maximum Temperature)

- **Week 1 (05 - 11 Jan. 2018):** Tmax is likely to be below normal over northern, western and central parts of the country.
- **Week 2 (12 - 18 Jan. 2018):** Tmax is likely to be above normal over most parts of India.

Tmin (Minimum Temperature)

- **Week 1 (05 - 11 Jan. 2018):** Mostly below normal Tmin over India.
- **Week 2 (12 - 18 Jan. 2018):** Below normal Tmin over some parts of northern India and eastern India to continue, whereas some parts of western India will have above normal Tmin during the week.

Strategic Agricultural Planning based on rainfall during next two weeks till

18th January 2018

Agromet Advisories

Tamil Nadu

Rainfall Situation

Rainfall received during the period of 01 October to 31 December 2017 over Tamil Nadu is 394.0 mm, which is 10% deficit compared to the normal. The extended range weather forecast provided for next two weeks [5 to 11 January (week-1) and 12 to 18 January (week-2)] for Tamil Nadu is normal for week-1 and below normal for week-2.

- Prevailing weather condition is favourable for leaf folder incidence in rice. To control this farmers are advised to spray Phosalone 35EC 1500 ml / ha or Phosphamidon 40 SL 1250ml/ ha during week-2.
- Expected weather condition is congenial for head borer incidence (*Helicoverpa armigera*) in sunflower. This can be controlled by spraying 5% Neem oil (or) Neem Seeds Kernal Extracted before egg laying.

Karnataka

Rainfall Situation

Rainfall received during the period of 01 October to 31 December 2017 over different meteorological sub-divisions of Karnataka are, North Interior Karnataka: 155.4 mm (7% excess); South Interior Karnataka: 201.2 mm (4% deficit); Coastal Karnataka: 215.9 mm (18% deficit). The extended range weather forecast provided for next two weeks over North Interior Karnataka: below normal for both the weeks; South Interior Karnataka: normal for week 1 and below normal for week 2.

North Interior Karnataka:

- As below normal rainfall is forecasted, farmers are recommended to take agronomical measures to conserve soil moisture like hand weeding and repeated intercultivation and earthing up of rows.
- Farmers are recommended to provide irrigation to *rabi* crops, wherever possible.
- Farmers are advised to give de-worming medicine to livestock and vaccinate (ET vaccine) sheep and goats against Enterotoxaemia; for milch animals, regularly follow schedule of 1 kg feed + 50 g mineral mixture and feed all the animals with both green fodder and dry fodder

Maharashtra

Rainfall Situation

Rainfall received during the period of 01 October to 13 December 2017 over different meteorological sub divisions of the state are: Vidarbha: 57.8 mm (26% deficit); Marathwada: 105.4 mm (6% surplus); Madhya Maharashtra: 122.3 mm (15% surplus) and Konkan: 182.2 mm (23% surplus). The extended range weather forecast provided for next two weeks over all the meteorological sub divisions of the state is below normal for both the weeks.

Madhya Maharashtra

- Present weather is congenial for incidence of aphids in rabi sorghum, safflower and vegetable crops. Farmers are advised to spray dimethoate 30 EC @ 10 ml in 10 lit of water.
- Prevailing weather condition is also congenial for pod borer incidence in pulses. As a precautionary measure, farmers are advised to spray of 5% neem ark. Also erect 'T' shaped bird perches @ 50 per hectare which will help in controlling pest population.

Marathwada

- As below normal rainfall is forecasted, farmers are advised to irrigate the *rabi* crops at regular interval, wherever possible.
- Present weather is congenial for incidence of pod fly in late sown pigeon pea and also bacterial blight in turmeric. Farmers are advised to spray of Monocrotophos @ 13 ml or Dimethoate @ 10 ml per 10 liter of water in pigeon pea and Mancozeb @ 20 g per 10 liter of water in Turmeric crop.
- Farmers are advised to provide irrigation to Mrug bahar banana crop during fruit initiation stage.

Madhya Pradesh

Rainfall Situation

Rainfall received during the period of 01 October to 31 December 2017 over different meteorological sub-divisions of Madhya Pradesh are, West Madhya Pradesh: 15.9 mm (68% deficit); East Madhya Pradesh: 19.5 mm (64% deficit). The extended range weather forecast provided for next two weeks over West Madhya Pradesh: normal for week 1 and below normal for week 2; East Madhya Pradesh: Below normal for both the weeks.

East Madhya Pradesh

- As below normal rainfall is forecasted, farmers are advised to irrigate the pulse crops and wheat sown under irrigated condition.

Chhattisgarh

Rainfall situation

Rainfall received over Chhattisgarh during the period of 01 October to 31 December 2017 is 61.8 mm, which is 19% deficit compared to the normal. The extended range weather forecast provided over Jharkhand for next two week is no rain for week-1 and below normal for week-2.

- Farmers are advised to complete the sowing of early maturing varieties of wheat crop and the seed rate should be increased up to 25% under irrigated condition.
- Farmers are recommended to provide irrigation in early sown wheat and other rabi crops as no rainfall is forecasted for next two weeks.

Jharkhand

Rainfall situation

Rainfall received over Jharkhand during the period of 01 October to 31 December 2017 is 106.2 mm, which is 22% surplus. The extended range weather forecast provided for Jharkhand is no rain for week-1

and below normal for week-2.

- As no rainfall is forecasted, farmers are advised to undertake intercultural operations in pulse and oilseed crops to conserve soil moisture and control weeds. After weeding, irrigate the field as per the requirement of the crops.
- Prevailing weather condition is congenial for incidence of powdery mildew in green pea. Farmers are recommended to spray karathane @ 1 ml per liter of water or sulfex @ 3 gm per liter of water.

Rajasthan

Rainfall Situation

Rainfall received during the period of 01 October to 13 December 2017 over the meteorological subdivisions of Rajasthan is: West Rajasthan and East Rajasthan have received 2.0 mm (77% deficit) and 3.0 mm (89% deficit) rainfall respectively. The extended range weather forecast provided over meteorological subdivisions of Rajasthan for next two is below normal for both the weeks.

East Rajasthan

- Farmers are recommended for dusting of Methyl Parathion 2% or Carbaryl 5% @ 20 to 25 kg/ha or spray Chlorpyrifos 20 EC @ 600 ml /ha for the control of aphids in mustard. Dusting should be done during morning or evening hours.
- As below normal rainfall is forecasted, farmers are recommended to undertake soil moisture conservation practices like weeding in wheat, inter cultural operation in vegetables and follow irrigation management.

Assam

Rainfall Situation

Assam received 235.7 mm of rainfall during the period of 01 October to 31 December 2017, which is 21% surplus when compared to the normal. The extended range weather forecast provided for Assam is below normal for week-1 and above normal for week-2.

- Farmers are advised to do the thinning operation in rapeseed and mustard to maintain the optimum plant population in the field and to conserve soil moisture as below normal rainfall is forecasted.
- Farmers are advised for taking earthing up in potato at 25 days after planting (stolon formation stage).
- Farmers are also recommended vaccinate their poultry birds to control the ranikhet disease of poultry during this period.

Haryana

Rainfall Situation

Rainfall received during the period of 01 October to 13 December 2017 over Haryana is 5.6 mm, which is 77% deficit. The extended range weather forecast provided) for Haryana is no rain for week-1 and below

normal for week-2.

- As below normal rainfall is forecasted, farmers are advised to undertake intercultural operations and irrigate *rabi* crops. Intercultural operations are recommended for conserving the moisture and removing weeds in mustard.
- As below normal rainfall is forecasted, farmers are advised to apply the 1st irrigation 21 days after sowing in wheat (CRI stage).

Jammu

Rainfall Situation

Rainfall received during the period of 01 October to 31 December 2017 over Jammu and Kashmir is 93 mm, which is 29% deficit. The extended range weather forecast provided over Jammu & Kashmir is below normal for both weeks.

- As below normal rainfall is forecasted, farmers are advised to irrigate the *rabi* crops.
- Farmers are advised to do take up hoeing and weeding in 20 days old crop to conserve the soil moisture and prevailing weather conditions is favourable for the attack of mildew in pulses. Farmers are advised to monitor the crop.

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