



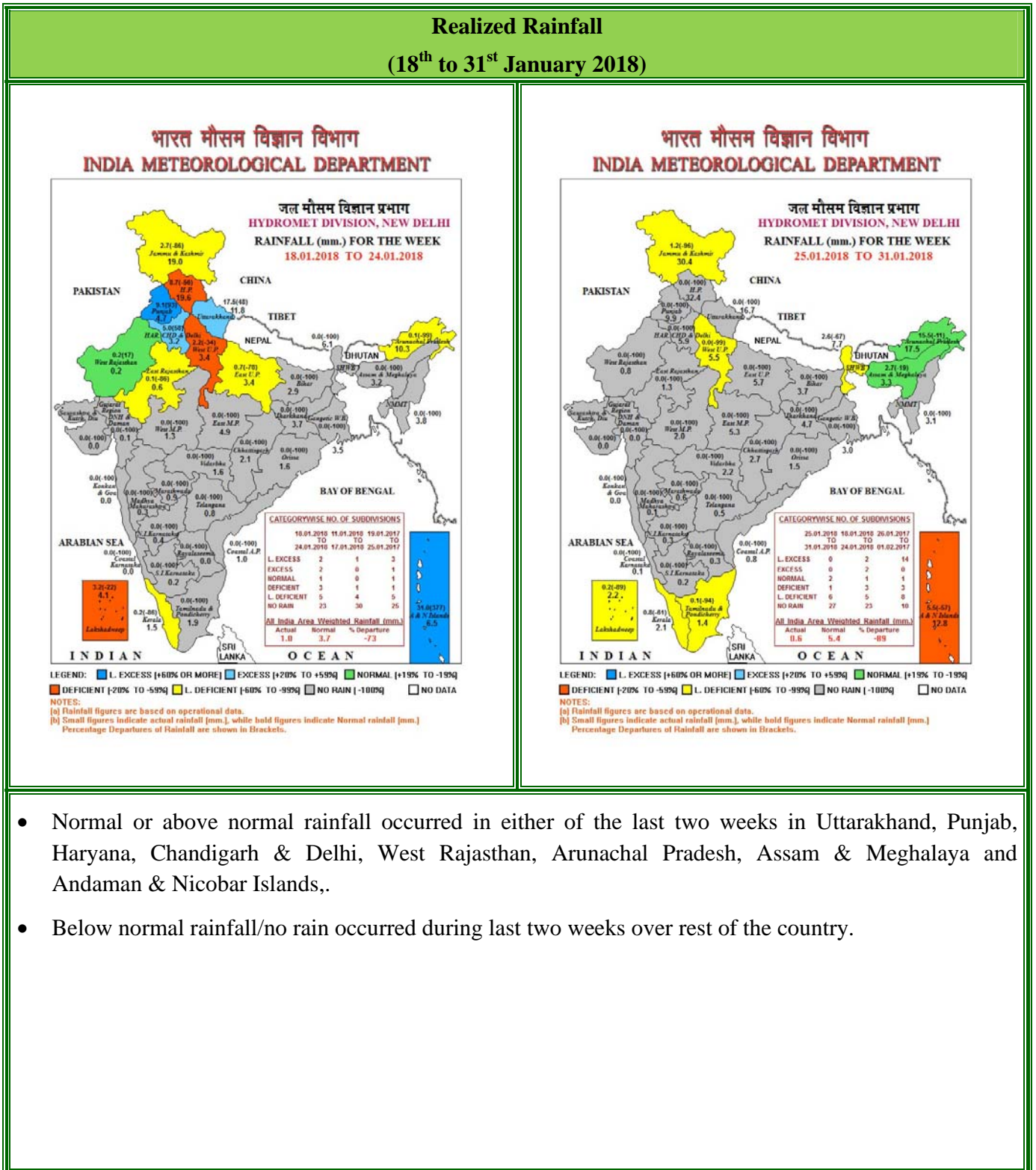
National Agromet Advisory Service Bulletin
Based on
Extended Range Weather Forecast (ERFS)

Validity: 02 to 15 February, 2018

Date of issue: 02 February 2018

Issued by
Indian Council of Agricultural Research (ICAR)
All India Coordinated Research Project on Agricultural Meteorology (AICRPAM),
Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad.
&
Earth System Science Organization
India Meteorological Department

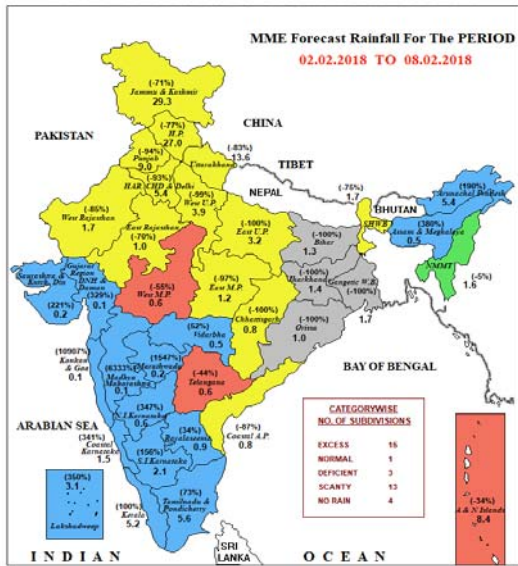
Realized Rainfall and Extended Range Forecast (Rainfall and Temperature)



Extended Range Forecast System

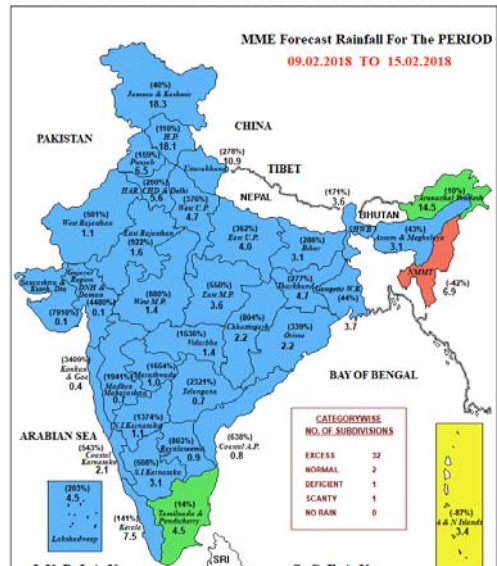
Rainfall forecast maps for the next 2 weeks (IC – 31 January) (2nd to 15th February 2018)

भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



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.

भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT

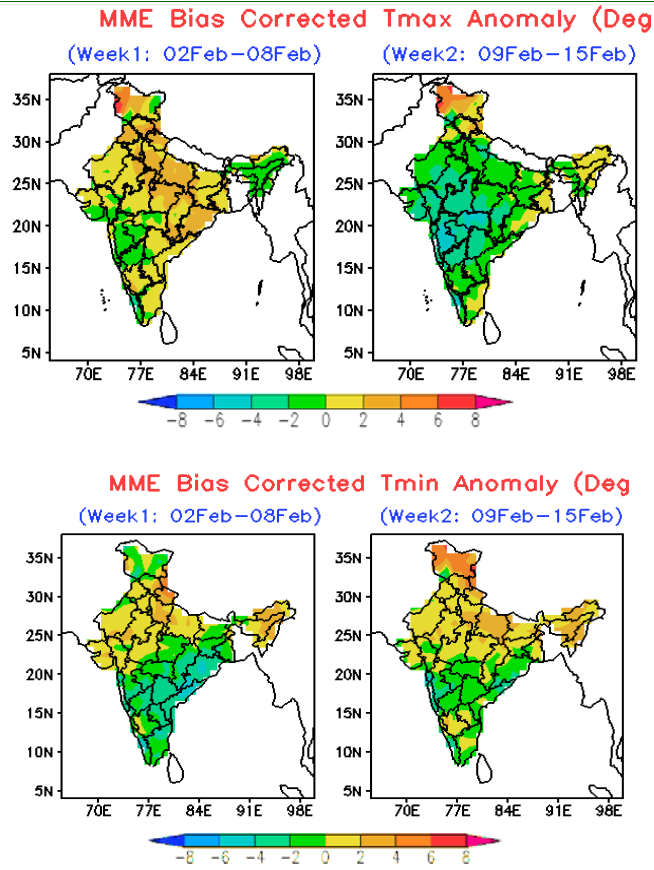


NOTES:
 (a) Rainfall figures are based on MME Forecast.
 (b) Bold figures indicate Forecast Normal rainfall (mm.)
 (c) Percentage Departures of Rainfall are shown in Brackets.

Extended Range Rainfall Forecast

- **Week 1 (02.02.2018 to 08.02.2018):** Some parts of coastal Tamil Nadu, Kerala, some parts of Coastal Maharashtra and isolated regions over extreme north-east India are likely to get rainfall during the week.
- **Week 2 (09.02.2018 to 15.02.2018):** Rainfall is most likely over northeastern India, Foothills, Gangetic Plain and many parts of central and southern India during the week associated with western disturbances.

**Maximum and Minimum temperatures anomaly (°C) forecast for next 2 weeks
(IC – 31 January) (2nd to 15th February 2018)**



Tmax (Maximum Temperature)

- **Week 1 (02.02.2018 to 08.02.2018):** Maximum temperature is likely to be more than normal over most parts of India except the coastal regions of Maharashtra, west coast and northeast India.
- **Week 2 (09.02.2018 to 15.02.2018):** Maximum temperature is likely to be below normal over most parts of central and northern India.

Tmin (Minimum Temperature)

- **Week 1 (02.02.2018 to 08.02.2018):** North and Northwest India is likely to experience above normal minimum temperature except some isolated region over Northwest India during week 1. Below normal Tmin is likely to continue over eastern coastal regions and parts of central india with prominent in week 1.
- **Week 2 (09.02.2018 to 15.02.2018):** Mostly below normal minimum temperature is likely to prevail over the country except parts of northern and Northwest India.

Strategic Agricultural Planning based on rainfall during next two weeks till

15th February 2018

Agromet Advisories

Tamil Nadu

Rainfall Situation

Rainfall received during the period of 01 to 31 January 2018 over Tamil Nadu is 6.3 mm, which is 64% deficit than the normal. The extended range weather forecast provided for next two weeks [02 to 08 February (week-1) and 09 to 15 February (week-2)] for Tamil Nadu is above normal and normal, respectively.

- The incidence of thrips in chilli is reported in some parts of the state. The affected plants showed symptoms of cupping, curling and crinkling of leaves. Spray any one of the following insecticides, after the forecasted spell of rainfall.
 - Imidacloprid 17.8% SL @ 3 ml/10 liters of water.
 - Dimethoate 30% EC @ 1.0 ml/litre of water.

Kerala

Rainfall Situation

Rainfall received during the period of 01 to 31 January 2018 over Kerala is 2 mm, which is 76% deficit. The extended range weather forecast provided for next two weeks over Kerala is above normal for both the weeks.

The following plant protection measures can be taken up after the forecasted spell of rainfall.

- Apply neem based pesticides (3ml per one liter of water) to avoid the incidence of rice bug attack. Pesticides application should be done either before 9 am or after 3 pm to avoid its negative effect on pollination.
- In Pepper, do not allow healthy vines to trail on the ground. Tie them to the standards. In case of quick wilt, spray Bordeaux mixture (1%) and drench copper oxychloride (0.2%).

Karnataka

Rainfall Situation

No rainfall was received during the period of 01 to 31 January 2018 over different meteorological subdivisions of Karnataka. The extended range weather forecast provided for next two weeks over all the subdivisions of Karnataka are above normal for both the weeks. Though above normal rainfall is forecasted, the quantity of forecasted rainfall is very less.

North Interior Karnataka:

- Take up repeated intercultivation, earth up the rows and keep the crops free from weeds.
- Give de-worming medicine to livestock under the supervision of a veterinary doctor.
- Vaccinate (ET vaccine) sheep and goats against Enterotoxaemia.

South Interior Karnataka:

- Prevailing weather condition is congenial for incidence of powdery mildew disease. Spray Lambda Cyhalothrin 5EC @ 0.5 ml/ litre of water or sulphur dust (SULTAF) 80 W @3g/litre, after the forecasted spell of rainfall.

Andhra Pradesh**Rainfall Situation**

No rainfall was received during the period of 01 to 31 January 2018 over meteorological subdivisions of Andhra Pradesh. The extended range weather forecast provided for all the meteorological subdivisions of the state are: Coastal Andhra Pradesh: below normal (week-1) and above normal (week-2); Rayalaseema: above normal for both weeks.

The following plant protection measures can be taken up during first week in Coastal Andhra Pradesh and after the rainfall spell in Rayalaseema.

- Leaf folder and stem borer incidence observed in paddy crop of north coastal, southern zone and scarce rainfall zone. For control of leaf folder and stem borer, farmers are advised to spray chloripyriphos @ 2.5 ml/litre of water, Flubendiamide @ 0.2 ml/l of water, respectively.
- Blast incidence is observed in paddy crop in southern zone and scarce rainfall zone. Spray Tricyclozole @ 0.6g/l or Isoprothiolane @ 1.5ml/l of water.

Maharashtra**Rainfall Situation**

No rainfall was received during the period of 01 to 31 January 2018 over different meteorological subdivisions of the state. The extended range weather forecast provided for next two weeks over subdivisions of Maharashtra is above normal for all the subdivisions during both weeks.

Vidarbha

- Basin mulching with plant residues (2 to 3 inch) in fruit orchards is advised to improve soil moisture retention by reducing soil evaporation.
- With assured irrigation facility, summer groundnut (cv. TAG 24/TAG 26) can be sown up to first week of February.

Chhattisgarh**Rainfall situation**

No rainfall was received during the period of 01 to 31 January 2018 over Chhattisgarh. The extended range weather forecast provided over Chhattisgarh is below normal for week-1 and above normal for week-2.

- If powdery mildew disease is observed in blackgram and green gram, then spray Carbendazim @1 gram/liter or Dinocap @ 1ml/liter of water during week-1. Repeat the spray after 10 days.

- If yellow mosaic disease observed in pulses crops, then destroy the affected plant and spray Metasystax or Rogar insecticide @1 ml/liter water during week-1.

Jharkhand

Rainfall situation

No rainfall was received over Jharkhand during the period of 01 to 31 January. The extended range weather forecast provided over Jharkhand for next two weeks: no rainfall during week-1; above normal during week-2.

- Timely sown pulse crops like pea, lentil, gram etc. are at pod formation stage. If symptoms of pod borer are visible, spray Monocrotophos @ 1 ml per litre of water. However, if the farmers are interested to sell green pod of gram/pea, then spray bio-insecticides like Delfin @ 2 gm per liter of water.
- Farmers, who are planning to take up green gram after harvest of potato, can sow the crop with recommended variety SML-688 during week-2.

Rajasthan

Rainfall Situation

Rainfall received during the period of 01 to 31 January 2018 over the meteorological subdivisions of Rajasthan are: West and East Rajasthan have received 0.2 mm and 0.1 mm rainfall respectively over the period, which is 92% deficient for West and 99% deficient for East Rajasthan. The extended range weather forecast provided over meteorological subdivisions of Rajasthan is: below normal for week-1 and above normal for week-2 for both the subdivisions.

- Spraying of Dimethoate 30 EC or Quinalphos 25 EC @ 2.0 ml/litre water during week-1 is recommended for the control of aphids in late sown mustard, which is at flowering stage.
- Spray Ridomil M Z 0.2 % in opium poppy at 50 and 70 days after sowing during week-1, for the control of downy mildew disease.

Gujarat

No Rainfall was received over Gujarat during the period of 01 to 31 January 2018. The extended range weather forecast provided for meteorological subdivisions of Gujarat is: above normal for both weeks over Gujarat region and Saurashtra & Kutch region.

- Withhold irrigation application to rabi crops, as above normal rainfall is forecasted for next two weeks.
- To control mustard aphid, spray Thiamethoxam 25 WG @ 1 gm in 10 litre of water after the forecasted spell of rainfall.

West Bengal

Rainfall Distribution

No Rainfall was received over West Bengal during the period of 01 to 31 January 2018. The extended range weather forecast provided for meteorological subdivisions of West Bengal is: Sub-Himalayan WB (below normal and above normal during week-1 & 2, respectively); Gangetic WB (No rain and above normal during week-1 & 2, respectively).

- Boro rice: start transplanting of rice with recommended spacing of 20 x 15 cm. Ensure 5 cm standing water in the field during transplanting. If the soil is zinc deficient, apply 2 kg zinc sulphate per bigha of land. Yellowing of seedling in the nursery bed is being a problem in many areas. Apply Diathane Z-78 @ 2.5 g/lit. of water.
- Potato: In the prevailing weather condition, occurrence of late blight is being reported from many areas. Farmers are advised to keep a close watch. As a control measure, spray Blitox or Mancozeb @2.5 gm/lit. of water at an interval of 5-7 days.

Jammu

Rainfall Situation

Rainfall received during the period of 01 to 31 January 2018 over Jammu and Kashmir is 4.4 mm, which is 95% deficit. The extended range weather forecast provided over Jammu & Kashmir is below normal for week 1 and above normal for week 2.

- Apply 2nd top dressing of urea in normal sown and 1st top dressing of urea in late sown wheat.
- Monitor zinc deficiency in wheat. If yellow patches develop between the mid-vein and edge of young to middle leaves, spray zinc sulphate @ 0.2%.
- Prepare fields for sowing of solanaceous and cucurbitaceous vegetable crops.

Disclaimer: The predictability of weather depends on many factors which are dynamic in nature. The success of agromet advisories provided here depends on the accuracy of the forecasts. In no event will India Meteorological Department (IMD) and Indian Council of Agricultural Research (ICAR) be liable to the user or to any third party for any direct, indirect, incidental, consequential, special or exemplary damages or lost profit resulting from any use or misuse of the information on this bulletin.