



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

Valid for 2nd to 15th June, 2017

Date of Issue: 2nd June, 2017

Issued by

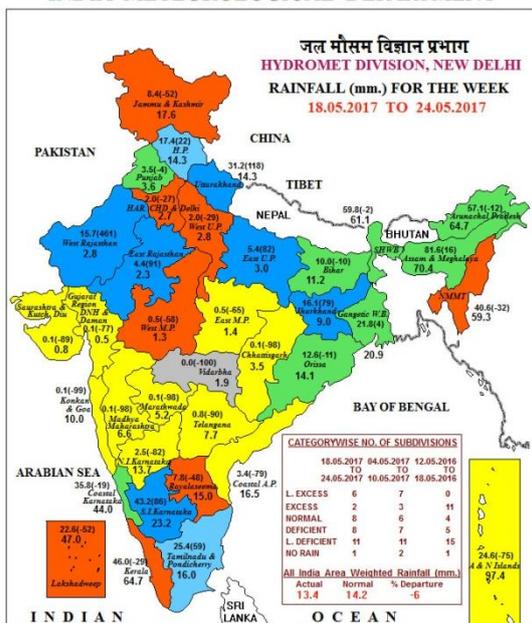
**Earth System Science Organisation
India Meteorological Department**

&

**Indian Council of Agricultural Research (ICAR)
All India Coordinated Research Project on Agricultural Meteorology (AICRPAM),
Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad**

Realized Rainfall (18th May to 31st May 2017)

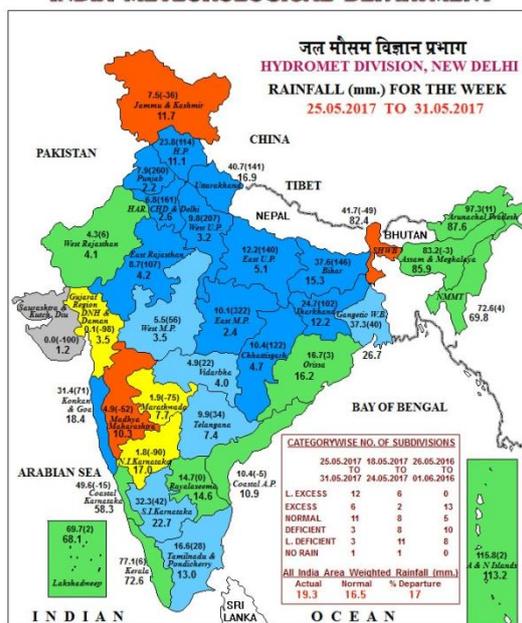
भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



LEGEND: L. EXCESS (+60% OR MORE) EXCESS (+20% TO +59%) NORMAL (+19% TO -19%)
DEFICIENT (-20% TO -59%) L. DEFICIENT (-60% TO -99%) NO RAIN (-100%) NO DATA

NOTES:
(a) Rainfall figures are based on operational data.
(b) Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
Percentage Departures of Rainfall are shown in Brackets.

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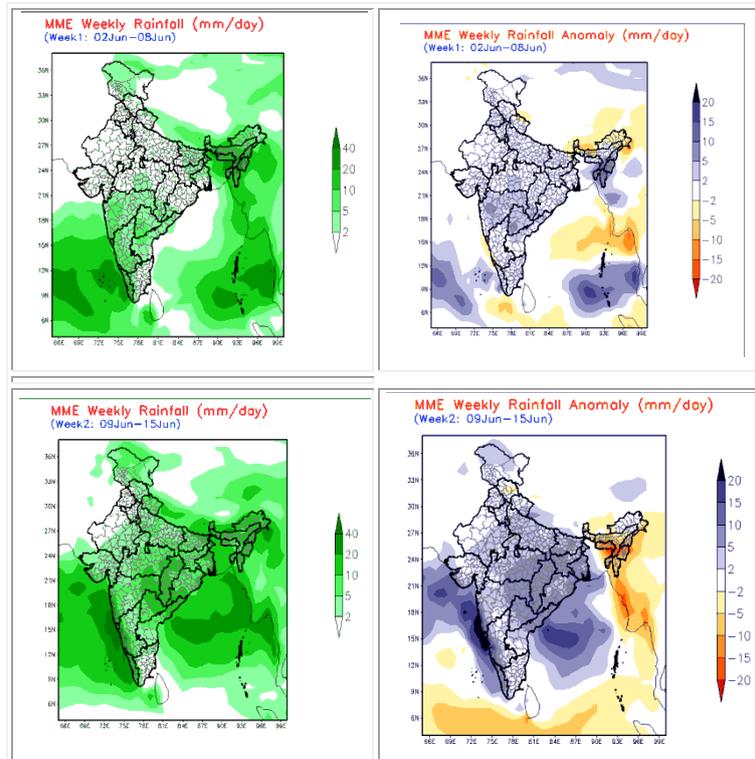
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NOTES:
(a) Rainfall figures are based on operational data.
(b) Small figures indicate actual rainfall (mm.), while bold figures indicate Normal rainfall (mm.)
Percentage Departures of Rainfall are shown in Brackets.

- Normal or above normal rainfall occurred during last two weeks in Himachal Pradesh, Uttarakhand, Punjab, East Uttar Pradesh, Rajasthan, Bihar, Jharkhand, Gangetic West Bengal, Odisha, Arunachal Pradesh, Assam & Meghalaya, Coastal Karnataka, South Interior Karnataka and Tamil Nadu.
- Normal or above normal rainfall occurred in either of the last two weeks in Haryana & Delhi, West Uttar Pradesh, Sub-Himalayan West Bengal and Sikkim, Madhya Pradesh, Chhattisgarh, Konkan & Goa, Vidarbha, Nagaland, Manipur, Mizoram, Tripura, Andhra Pradesh, Telangana and Kerala.
- Below normal rainfall or no rain occurred in the last two weeks over Jammu & Kashmir, Madhya Maharashtra, Marathwada, Gujarat State and North Interior Karnataka.

Extended Range Forecast System

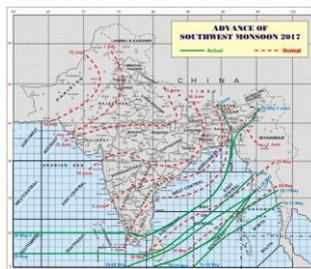
Subdivision wise rainfall forecast maps for the next 2 weeks (IC =31 May)



- Extended Range Forecast (ERF) indicates that the rainfall belt during week 1 (02-08 June) is likely to be over the southern peninsula (particularly over the west coast) and north-eastern states and Gangetic West Bengal region during week 1.
- During week 2 (09-15 June), monsoon condition is likely to be active in association with active east-west shear line over the central India with most parts of central and eastern India (except some parts of extreme north and northwest India) can come under the influence of monsoon.

Advance of Southwest Monsoon - 2017

2nd June, 2017



- Southwest monsoon has further advanced into some more parts of northeast Bay of Bengal, remaining parts of Arunachal Pradesh, Nagaland, Manipur & Mizoram and most parts of Tripura and Assam & Meghalaya.

- The Northern Limit of Monsoon (NLM) passes through Lat.10.0°N/Long.60.0°E, Lat.10.0°N/Long.70.0°E, Kochi, Tondi, Lat.14.0°N/ Long.87.0°E, Lat.17°N/ Long.90.0°E, Lat.20.0°N/Long. 91.0°E, Agartala, William Nagar, Kokrajhar and Lat. 27.0°N/Long. 90.0°E.
- Conditions are favourable for further advance of southwest monsoon into remaining parts of south Arabian Sea, Lakshadweep area and Kerala, some parts of central Arabian Sea, coastal & south interior Karnataka and Rayalaseema and some more parts of Tamilnadu during next 48 hours.
- Conditions are likely to become favourable for further advance of southwest monsoon into some more parts of south Peninsula, Arabian Sea and Bay of Bengal around 7th June.

Strategic Agricultural Planning based on rainfall during next two weeks till 15th June

Salient Agromet Advisories

- Southwest monsoon set in over Kerala on 30th May. There were very good pre-monsoon showers and also monsoon rainfall over Kerala and North-eastern states, pre-monsoon showers over Coastal Karnataka and South Interior Karnataka during previous week, which is likely to continue during succeeding week. This facilitates land preparation and sowing of *kharif* crops in Kerala, North-eastern states, South Interior Karnataka and Coastal Karnataka.
- Prevailing weather conditions are suitable to continue agricultural activities like sowing of *kharif* crops in Kerala and North-eastern states, land preparation / sowing of *kharif* crops in Karnataka, Tamil Nadu, Andhra Pradesh, Telangana, Maharashtra, Gujarat, Madhya Pradesh and Chhattisgarh.

In view of good pre-monsoon and monsoon showers over Kerala, Coastal & South Interior Karnataka and north-eastern states and monsoon showers likely to continue over these regions during next fortnight, the following advisories are issued for above regions.

- Transplanting of *Viruppu* rice in Southern Zone and nursery sowing of *Viruppu* rice in Northern Zone and preparation / nursery sowing of rice (Uma and Kanchana variety) in Central Zone of **Kerala**.
- Nursery sowing / transplanting of rice in **Coastal Karnataka**.
- Sowing of pulses like cowpea, green gram, black gram, horse gram, field bean and land preparation / sowing of *kharif* crops like red gram, ragi, groundnut, sesame and maize in **South Interior Karnataka**.
- Take up land preparation and strengthening bunds with fodder grass to facilitate conservation of rainwater. Ploughing across the slope will facilitate *in situ* soil moisture conservation
- Nursery sowing of Sali rice and sowing of maize in **Assam**.
- In high rainfall zones of Assam, farmers can prepare nursery beds for transplanted Sali rice. Rice cultivars Jalashree and Jalkuwari are recommended for sowing in flood prone areas.
- Sowing of maize in high and mid altitudes and nursery sowing and land preparation for transplanting of Sali rice in **Meghalaya**.
- Transplanting of finger millet and nursery sowing of rice, sowing of cowpea, French bean, soybean in **Arunachal Pradesh**.
- Nursery raising for main *kharif* rice. Undertake main land preparation for transplanting of

rice. Sowing of kharif maize, soybean, groundnut and black gram in **Manipur**.

- Transplanting of pre-kharif rice in **Mizoram**.

As monsoon is likely to advance in Andhra Pradesh, Maharashtra, Madhya Pradesh, Chhattisgarh and West Bengal and rainfall is expected during next fortnight, following agricultural activities are advised:

- Nursery sowing of *kharif* rice and ragi in **Konkan**.
- Direct sowing of rice in **Konkan** and **Kolhapur** region of **Maharashtra**.
- Land preparation (preparatory tillage) for sowing of *kharif* crops like cotton, soybean, jowar, groundnut, red gram, green gram, black gram in **Madhya Maharashtra, Marathwada and Vidarbha sub divisions of Maharashtra, Andhra Pradesh, Telangana and Madhya Pradesh**.
- Also nursery preparation for kharif rice in **Madhya Maharashtra (Western Ghat region), East Vidarbha, Coastal Andhra Pradesh, Telangana, Madhya Pradesh and Chhattisgarh**.
- As the SW monsoon not yet advanced to the state of Andhra Pradesh, farmers need to wait for accumulation of minimum of 50 mm rainfall in light soils and 75 mm in black soils to take up sowing of rainfed crops.
- Nursery preparation for lowland rice in Laterite and Red Soil Zone of **West Bengal**.
- Land preparation for nursery sowing of rice, for sowing of *kharif* crops like jowar, pearl millet, red gram, black gram, maize, groundnut, soybean, sunflower, sesame in **North Interior Karnataka**.

Advisory for other States

- Utilising pre monsoon showers, continue nursery sowing of long duration rice and land preparation for sowing of kharif maize in **Bihar**. Maize varieties *Devki, Suwan, Shaktimaan-1, Shaktimaan-2, Rajendrashanker makka-3* and *Ganga-11* are suitable for sowing in North Bihar.
- Continue nursery sowing for kharif rice in South **Gujarat** Heavy Rainfall Zone. Continue land preparation for sowing of kharif cotton, sesame, pearl millet, groundnut, black gram, green gram, cowpea and pigeon pea in North **Saurashtra** Zone.
- Continue land preparation for sowing of groundnut in Middle **Gujarat** Zone.

❖ National AAS Bulletin based on ERFS is also available at <http://www.imdagrimet.gov.in/erfsview15>