



National Agromet Advisory Service Bulletin

based on

Extended Range Weather Forecast

Valid for 13th to 26th May, 2016

Date of Issue: 13th May, 2016

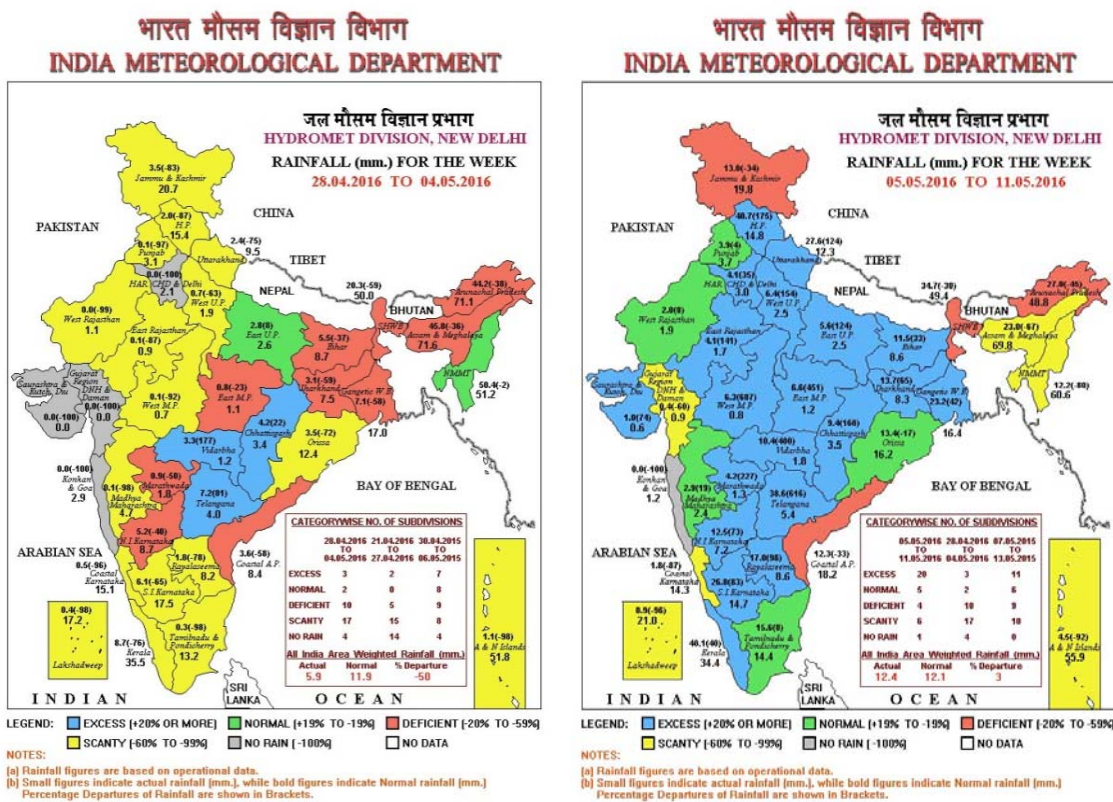
Issued by

Earth System Science Organisation
India Meteorological Department

&

Indian Council of Agricultural Research
AICRPAM, CRIDA, Hyderabad

Realized Rainfall (28th April to 11th May 2016)



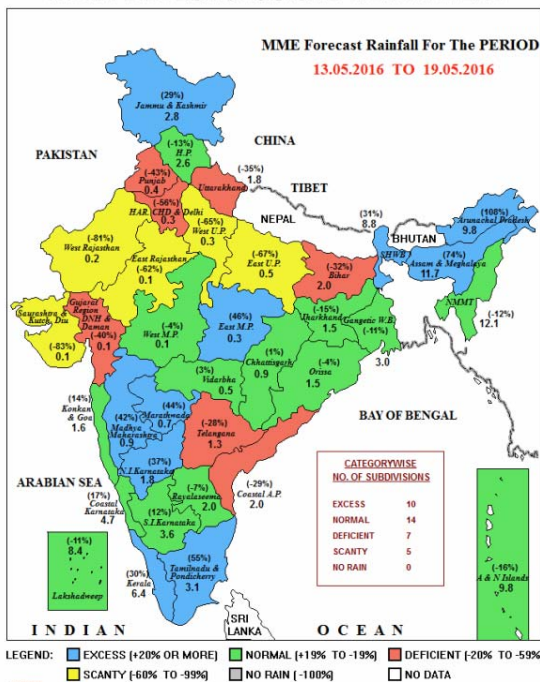
- Normal or above normal rainfall occurred during last two weeks in East Uttar Pradesh, Chhattisgarh, Vidarbha and Telangana.
- Normal or above normal rainfall occurred in either of the last two weeks in Himachal Pradesh, Punjab, Haryana & Delhi, Uttarakhand, West Uttar Pradesh, Rajasthan, Saurashtra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

Extended Range Forecast System

Subdivision wise rainfall forecast map for the next 2 weeks (IC =11 May)

Rainfall forecast (mm/day) (13–26May, 2016)

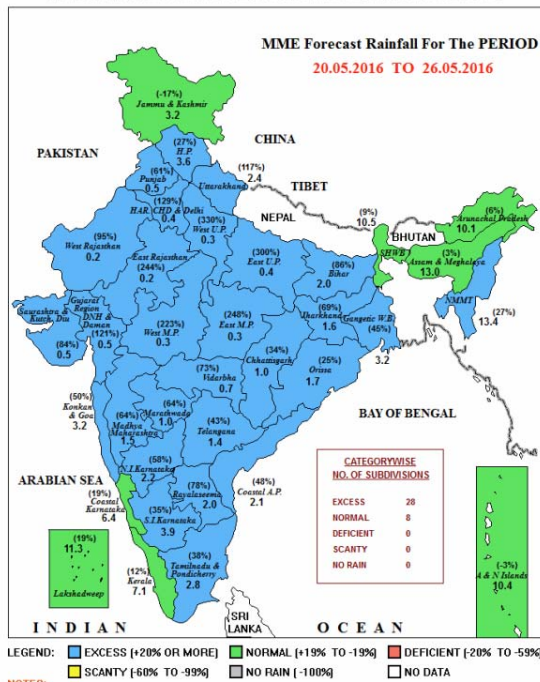
भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



Notes:

- (a) Rainfall figures are based on MME forecast
- (b) Bold figures indicate forecast Normal rainfall (mm/day)
- (c) Percentage Departures of Rainfall are shown in Brackets

भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT



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- (a) Rainfall figures are based on MME forecast
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- (c) Percentage Departures of Rainfall are shown in Brackets

- Normal or above normal rainfall would occur during next fortnight over Jammu & Kashmir, Himachal Pradesh, Maharashtra, Madhya Pradesh, Chhattisgarh, Jharkhand, Odisha, West Bengal & Sikkim, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram, Tripura, Karnataka, Rayalaseema, Tamil Nadu and Kerala.
- Normal or above normal rainfall would occur in either of the next two weeks in Uttarakhand, Punjab, Haryana & Delhi, Uttar Pradesh, Rajasthan, Bihar, Gujarat State, Coastal Andhra Pradesh and Telangana.

Strategic Agricultural Planning based on rainfall during next two weeks till 26th May

- Pre monsoon rainfall activities are likely to increase during later part of next fortnight over the country.
- Weather condition will be suitable to undertake agricultural activities like land preparation and sowing of *kharif* crops in Kerala, Karnataka, Konkan in Maharashtra and North-eastern states.
- Undertake harvesting of summer crops in central and North India as rainfall activity is likely to increase. Keep already harvested produce at safer place.
- Undertake rain water harvesting with the likely rainfall in Central and North India.

The following advisories are issued for Kerala, Karnataka, Konkan and North-eastern States for next 15 days.

Kerala

Kerala state received good rainfall during previous week and rainfall is also likely to occur during next fortnight.

Major advisories for *kharif* crops

- Direct sowing of rice in Problem Area Zone.
- Nursery sowing of *Virippu* rice in Southern Zone.

Advisories for other crops

- Planting of pepper and pineapple in Pathanamthitta district.
- New planting of coconut and planting of banana in Southern Zone.
- Sowing of bhindi, bitter gourd, amaranthus in High Altitude Zone and bhindi, brinjal, bitter gourd, snake gourd in Southern Zone (Kollam district).
- Coconut: Farmers are advised to open the basins for application of fertilizers / lime. This should be done only after receipt of one or two good showers. Basins should have a radius of 6 feet and 20-25 cm depth. Apply lime @ 1 kg/palm. This helps to bring down acidity of soil, which in turn increases the nutrient uptake by palms. Green leaves, farm yard manure, compost, poultry manure etc can be applied to basins. If nuts fall with the presence of sunken lesions at the perianth region having clear margins, spray calyxin (@ 1ml/litre of water) mixed with a sticking agent, Agrowet (@ 1ml/litre).
- Rubber: start arrangements for rain guarding the tapping panel. In order to control fungal diseases in young budded plants, spray copper oxy chloride 4g/litre of water. Subsequent tapping can be done only after drying of latex.

Karnataka

Good rainfall occurred over many districts of South Interior Karnataka during the last week. Agricultural operations like summer ploughing and transportation and spreading of FYM to fields are in progress.

Major advisories for *kharif* crops

Coastal Karnataka

- Land preparation for sowing of *kharif* rice, maize, cotton.

South Interior Karnataka

- Land preparation of pre-monsoon sowing of ragi (Indaf -9), sesame (Navile-1, T-7), cowpea (TVX-944, KBC-1), green gram (PS-16, PDM-84,178) and black gram (Karagao-3, T-9, Rashmi (LBG-625), maize and red gram.
- Summer deep ploughing and keeping the inputs ready for pre-monsoon sowing.

North Interior Karnataka

- Deep ploughing and making ridges and furrows or compartment bunding so as to conserve rain water received during pre-monsoon showers.
- Land preparation for sowing of jowar, redgram, soybean, blackgram, sesame and sunflower and keep inputs ready for sowing.

Advisories for other crops

South Interior Karnataka

- Land preparation for planting of ginger / turmeric.

Livestock management during summer:

- For heat *stress* in livestock during summer season: sprinkle cold water 2-3 times a day on the body of the cattle to overcome the heat and reduce the feed intake in poultry and cattle unit.
- Apply 4-6 inch thick hay thatch as a roofing material.
- Spray water on floor and roof of shelter periodically during peak hot hours which lowers the temperature and consequently reduces the heat load on animals

Konkan

Major advisory for *kharif* crops

- Preparatory tillage for nursery sowing of *kharif* rice and finger millet.

Marathwada region

Advisories for other crops

- **Summer groundnut:** dry the harvested crop of groundnut in shade before storage. For safe storage the moisture percent should be reduced to 8 to 10 %. Due to forecast of pre-seasonal rainfall the harvested crop should be stored at safe place.
- **Summer Sunflower:** harvested heads of sunflower should be dried well in sun and threshed by beating the center of the head with a small stick or by thresher. Take care so that the harvested crop should not be damaged by pre-seasonal rainfall.
- **Vegetables:** prepare nursery for cultivation of vegetable crops like tomato, chilli, bitter gourd, cluster bean etc. in *Kharif* season.

Arunachal Pradesh

Major advisories for *kharif* crops

- Nursery sowing and transplanting of rice.
- Sowing / transplanting of summer vegetables like cucumber, sponge gourd, bottle gourd and ladies finger.

Assam

Major advisories for *kharif* crops

- Completion of transplanting of normal *ahu* rice.
- Nursery raising of *sali* rice (Ranjit and Bahadur).

Advisories for other crops

- Planting of tapioca in Hill Zone.
- Planting of pineapple in North Bank Plain Zone.
- Planting of guava in Upper Bramhaputra Valley Zone.
- Planting of lemon in Barak Valley Zone.

Meghalaya

Major advisories for *kharif* crops

- Complete sowing of *Jhum* rice (varieties: Bhalum 1, 2, 3; IRAT 109, IR 50, etc.).

Advisories for other crops

- Planting of High Yielding Varieties of ginger/turmeric (varieties: turmeric- Lakadong, RCT-1, ginger- Nadia, Poona, Riodegenerio etc.).
- **Manipur**

Major advisories for *kharif* crops

- Maintain water level at 5-8 cm in *kharif* rice.
- Sowing of soybean, groundnut and continue land preparation for sowing of black gram.

Advisories for other crops

- Completion of planting of turmeric and ginger.
- Preparation of pits for fruit plants like banana, lime, lemon, orange and kiwi.
- Sowing of bhindi and cowpea.

Mizoram

Major advisories for *kharif* crops

- Nursery sowing of rice.
- Sowing of *kharif* green gram, black gram.

Advisories for other crops

- Transplanting of brinjal and chilli in the main fields.
- Sowing of French bean, cowpea.
- Land preparation for planting of turmeric and ginger.

Tripura

Major advisories for *kharif* crops

- Land preparation for sowing of groundnut (TAG 24, TG 37A, ICGS 76) in upland and medium upland regions.

Advisories for other crops

- Maintenance of 5 cm water level in *boro* rice fields (flowering stage).

West Bengal

Light rainfall received in West Bengal state during the week. Agricultural operations, Intercultural and harvesting operations in vegetables like brinjal, tomato. Harvesting is going on spices, onion,

coriander, chilli. Late sown wheat crop is at maturity stage. Weeding, fertilizer application and irrigations in sunflower. Intercultural operation started in moong and sesame.

Major advisories for *kharif* crops

- Land preparation for nursery sowing of *aman and aus* rice.

Advisories for other crops

- Land preparation and planting of ginger and turmeric in Terai Zone.
- Completion of transplanting of chilli in the main field and planting of ginger in Hill Zone.

For the areas receiving scanty rainfall:

- Dry sowing of paddy seeds is recommended. Collect IET-4094, Swarna, Shatabdi, Lalat, IET 9947, IET 1444, IET 2233 seed. Long duration varieties should be avoided.

For the areas prone to flash flood:

- In areas where flood or stagnation occurred, tall variety like Ranjit may be selected. Short duration variety (like *Daya*, which matures in 95 days) may be selected.
- Maize: Hybrid Ganga-11, Sartaj, HQPM-5, Pro-316, Bio-9681, Y-1402, HQPM-8 and composite variety Prabhat can be sown with a seed rate of 18-20 kg/ha.

Advisories for remaining States

- Undertake harvesting of summer crops in central and North India as rainfall activity is likely to increase. Keep already harvested produce at safer place.
- Undertake rain water harvesting with the likely rainfall in Central and North India.