

All India Coordinated Research Project on Agrometeorology

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Daily Crop Weather Information as on 18 November 2019

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Significant Weather Features (IMD)

- The Western Disturbance as a cyclonic circulation over Iran & neighbourhood between 3.1 km and 7.6 km above mean sea level persists.
- The images showing the latest satellite picture in figure. 1.

Main Weather Observations (IMD)

- Rain/Thundershowers observed (from 0830 hours IST to 1730 hours IST of today): at isolated places over Coastal Andhra Pradesh & Yanam and Tamilnadu, Puducherry and Karaikal. Rainfall recorded at 1730 hours IST of today (2 cm or more) are: Cuddalore-2; Bapatla-1. Thunderstorm observed (from 0830 hours IST to 1730 hours IST of today): at isolated places over Kerala & Mahe and Coastal Andhra Pradesh & Yanam.
- Maximum Temperature Departures as on 18-11-2019: Maximum temperatures are above normal (1.6°C to 3.0°C) at most places over Jharkhand and Konkan & Goa; at many places over Himachal Pradesh, Chhattisgarh, Coastal Andhra Pradesh, Konkan & Goa, Coastal Karnataka, Kerala, Tamilnadu, Puducherry & Karaikal and Andaman & Nicobar Islands; at a few places over Assam & Meghalaya and South Interior Karnataka and at isolated places over Uttarakhand and Gangetic West Bengal & Sikkim. They are below normal (-1.6°C to -3.0°C) at most places over West Rajasthan and Haryana, Chandigarh & Delhi; at many places over West Uttar Pradesh and at isolated places over Saurashtra & Kutch, Jammu & Kashmir, East Rajasthan and Sub-Himalayan West Bengal & Sikkim and near normal over rest parts of the country. The highest maximum temperature of 36.8°C was recorded at Vengurla (Konkan & Goa).
- Minimum Temperature Departures as on 18-11-2019: Minimum temperatures are appreciably above normal (3.1°C to 5.0°C) at a few places over Punjab, West Rajasthan, Saurashtra & Kutch and Sub-Himalayan West Bengal & Sikkim and Assam & Meghalaya; at isolated places over Jammu & Kashmir, Uttarakhand, Bihar, Madhya Pradesh, Kerala & Mahe and Tamilnadu, Puducherry & Karaikal; above

normal (1.6°C to 3.0°C) at most places over Gujarat region, East Rajasthan and Coastal Andhra Pradesh & Yanam at many places over Konkan & Goa, Madhya Maharashtra and Rayalaseema; at a few places over East Uttar Pradesh and Lakshadweep and at isolated places over West Uttar Pradesh, Jharkhand, Odisha and Andaman & Nicobar Islands; below normal (-1.6°C to -3.0°C) at isolated places over Gangetic West Bengal, Chhattisgarh, Vidarbha and South Interior Karnataka and near normal over rest parts of the country. The lowest minimum temperature of 9.5°C recorded at Betul (West Madhya Pradesh).

Weather Warning during next 5 days (IMD)

- 18 November (Day 1): Moderate to dense fog very likely in isolated pockets over south Assam & Meghalaya. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Rayalseema, Tamilnadu, Puducherry & Karaikal and Kerala & Mahe.
- 19 November (Day 2): Moderate to dense fog very likely in isolated pockets over south Assam & Meghalaya. Thunderstorm accompanied with lightning very likely at isolated places over Coastal Andhra Pradesh & Yanam, Tamilnadu, Puducherry & Karaikal and Rayalseema. Heavy rainfall very likely at isolated places over Tamilnadu, Puducherry & Karaikal.
- 20 November (Day 3): Thunderstorm accompanied with lightning very likely at isolated places over Jammu & Kashmir, Coastal & South Interior Karnataka. Heavy rainfall very likely at isolated places over Tamilnadu, Puducherry & Karaikal.
- 21 November (Day 4): Thunderstorm/hailstorm accompanied with lightning likely at isolated places over Jammu & Kashmir. Heavy Snow likely in isolated places over Jammu & Kashmir. Heavy rainfall likely at isolated places over Tamilnadu, Puducherry & Karaikal.
- 22 November (Day 5): Thunderstorm/hailstorm accompanied with lightning likely at isolated places over Jammu & Kashmir and Himachal Pradesh. Heavy Snow likely in isolated places over Jammu & Kashmir. Heavy rainfall likely at isolated places over Tamilnadu, Puducherry & Karaikal.
- The weather outlook for the period of seven days i.e., 18 to 26 November 2019 forecasted (Provided by Real-Time Weather Forecasts from NOAA/NCEP collected from <http://monsoondata.org/wx2/>) rain/thundershower may occur over Some parts of South Peninsular India. (Fig. 2).

Agricultural activities (AICRPAM-CRIDA)

Jharkhand

Weather condition:

Dry weather prevailed over Jharkhand State during past few days. Daily maximum and minimum temperature ranged from 26.4 to 28.5 and 10.3 to 16.3 deg C, respectively. Weekly maximum and minimum temperatures were 27.3 and 12.9 deg C against its normal value of 26.0 and 12.0 deg C, respectively.

Contingency measure:

- Plough the land immediately after harvesting of rice and sow the different Rabi crops if having irrigation facility.
- Farmers having atleast 4 irrigation are advised to cultivate potato and wheat and those who have at least 2 - 3 irrigation facility, may proceed for the cultivation of Gram, Lentil, Pea, Linseed, Barley, Wheat etc.
- Seeds of pulse crops must be treated with Rhizobium culture before sowing. Wheat crops sown in October month is now at approximately one month old. In such crops spray weedicide Isoproturon (300 gm ai) and 2,4,D (200 gm ai) in 240 liter of water to control weeds in one acre of land.
- Rice (Transplanted) - In medium land, rice crop transplanted at right time are ready to harvest. At the time of harvesting, pick the black earhead (affected earhead with false smut disease) and destroy them after burning. In lowland, maintain the bunds of field under rice to keep submerged.
- Wheat - Don field, where moisture remains after harvesting of rice crops may be used for surface seeding of wheat. After harvesting of rice, the field may be divided into smaller plots according to slope and construct channels for irrigation.
- The seed rate will be 60 kg per acre. Seed should be treated with cowdung mixed in water in such a manner that one layer of cowdung remains on the seed and the seed doesnot adhere each other. Sowing may be done by broadcasting of seeds in such a manner that seed sticks in soil and apply recommended dose of fertilizer after 15 days of sowing.
- Gram (Chick Pea) : Farmers wishing to cultivate gram crop, may start sowing after field preparation. The recommended varieties for Deshi (indigenous) gram are Pusa-372, KWR-108, KGP-59 and for Kabuli gram are H.K.-9431, Kak-2 Birsa chana-3 etc. 30 kg seeds for deshi variety and 40 kg seeds for Kabuli type varieties are required for cultivation in one acre. Seed may be sown in line at a distance of 30 cm (Row to row) and 8 cm. (Plant to plant).

Lentil - Sowing of lentil may be completed with recommended varieties like H.U. L.- 57, W.B.L.-77, K.L.S.-218 etc. 12 kg seeds are required for cultivation in one acre.

SAT : INSAT-3D IMG
IMG_TIR2 12.0 um
LIC Mercator

18-11-2019/(1530 to 1556) GMT
18-11-2019/(2100 to 2126) IST

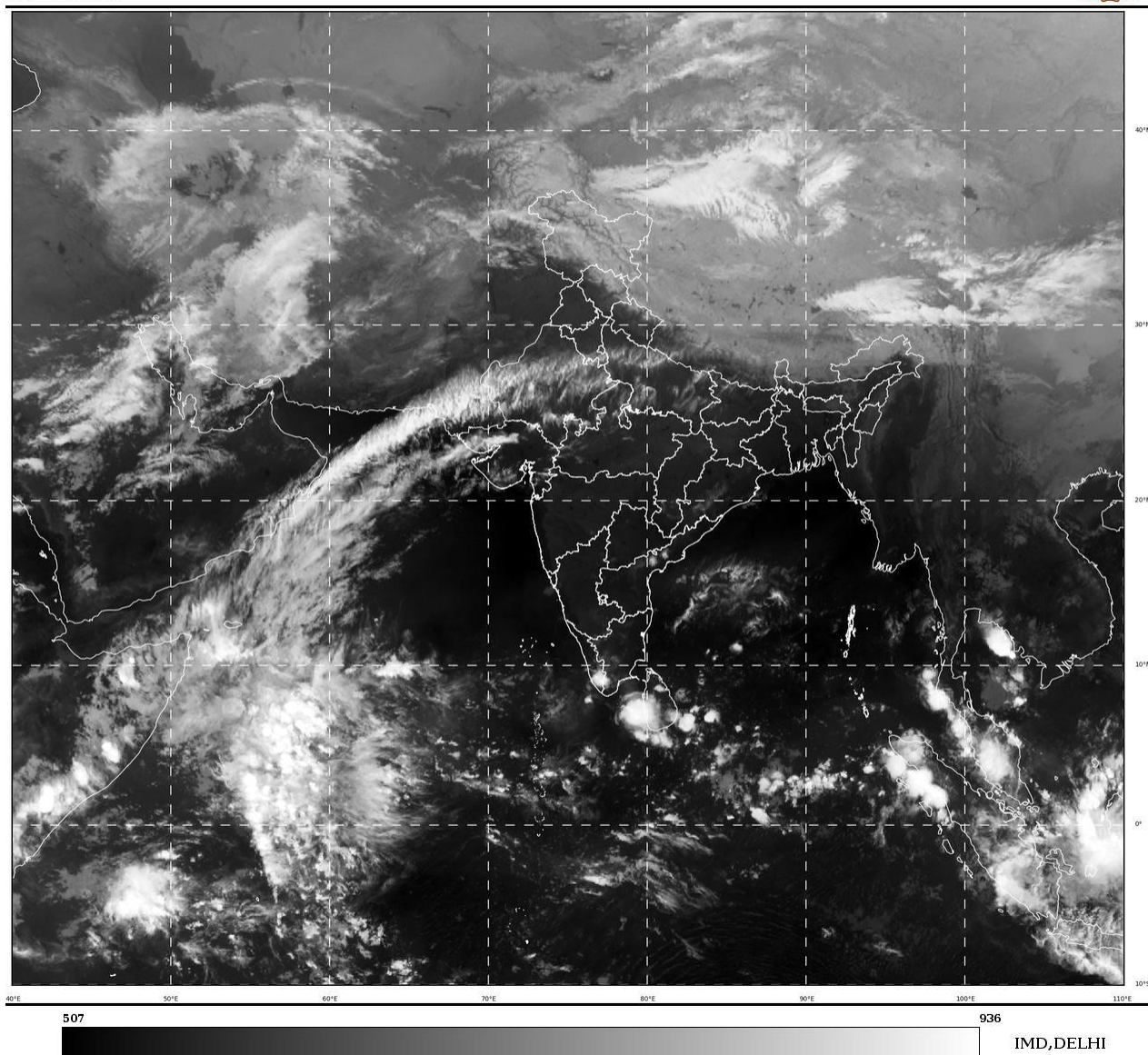


Figure: 1. Latest available satellite picture as on 18 November 2019 at 2030 Hrs (IST). (Source: IMD).

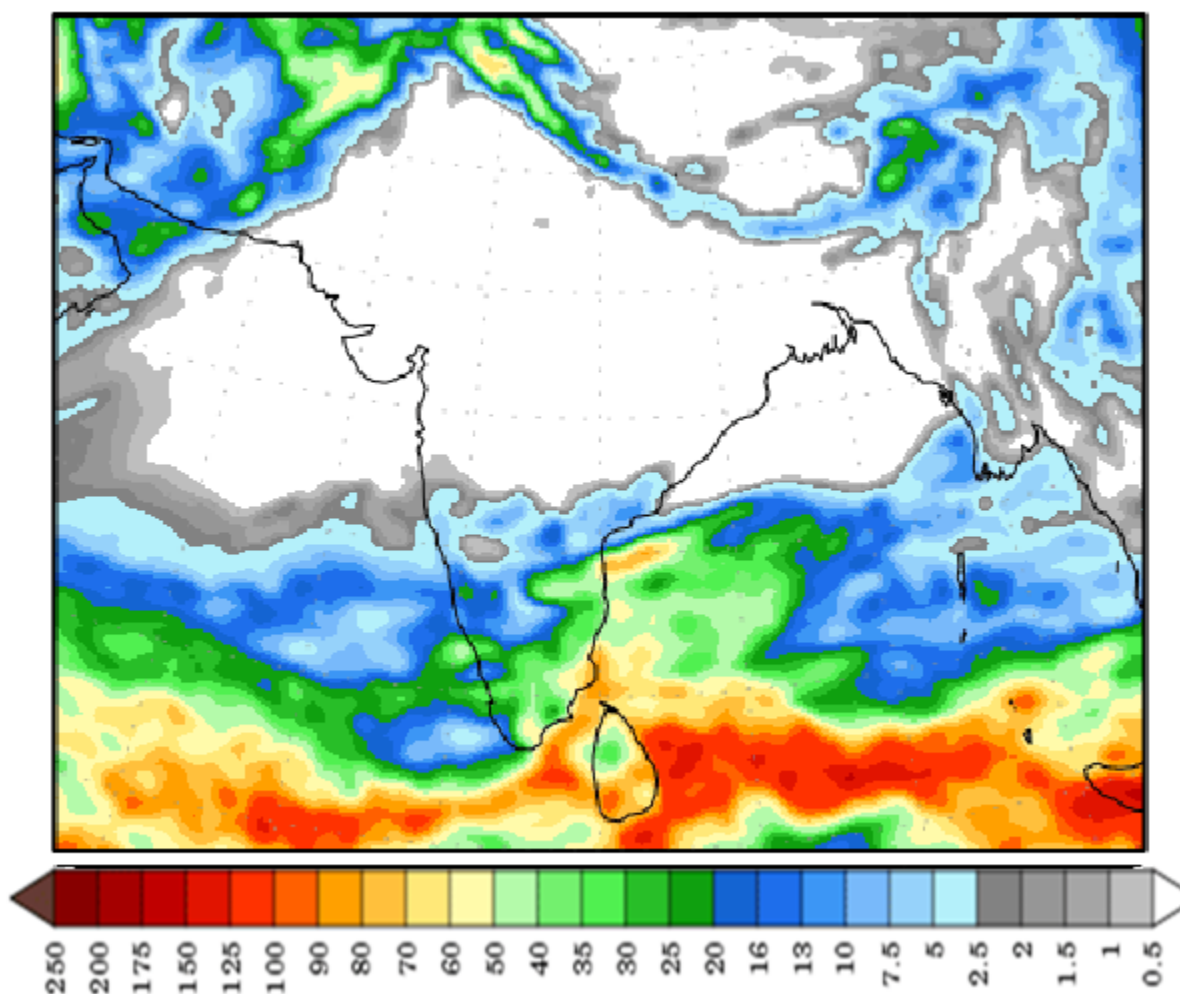


Figure:2. Precipitation forecast for 18 to 26 November 2019 (Source: NOAA NCEP).

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