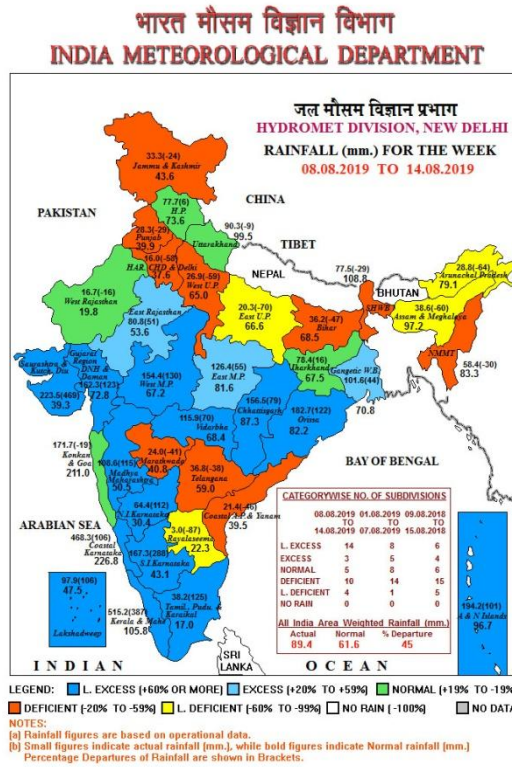
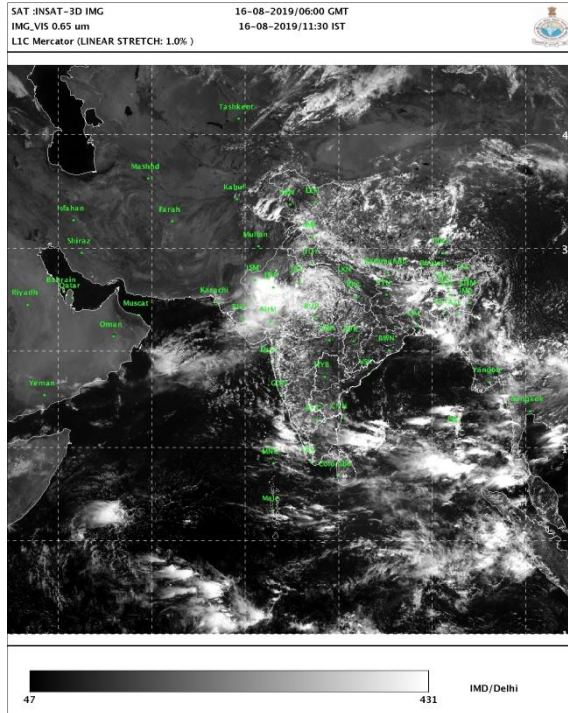


Rainfall map for the week ending 14.08.2019



- **Large Excess Rain:** Gujarat Region, Saurashtra & Kutch, West Madhya Pradesh, Madhya Maharashtra, Vidarbha, Chhattisgarh, Odisha, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Lakshadweep, Tamil Nadu, Puducherry & Karaikal, Andaman & Nicobar Islands
- **Excess Rain:** East Rajasthan, East Madhya Pradesh, Gangetic West Bengal
- **Normal Rain:** Himachal Pradesh, Uttarakhand, West Rajasthan, Konkan & Goa, Jharkhand
- **Deficient Rain/ Large Deficient Rain:** Rest of the country

Satellite image 0600 UTC dated 16.08.2019



**Weather Forecast for next 5 days valid upto 0830 hours of 21<sup>st</sup> August 2019**

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures likely over major parts of the country during next 2-3 days.

**5 Day Rainfall Forecast (MID-DAY)  
 16<sup>th</sup> August 2019**

| Met-Sub-Division               | 16-Aug<br>Today | 17Aug<br>Sat | 18Aug<br>Sun | 19Aug<br>Mon | 20Aug<br>Tue |
|--------------------------------|-----------------|--------------|--------------|--------------|--------------|
| 1. Andaman & Nicobar Islands   | WS              | WS           | FWS          | FWS          | SCT          |
| 2. Arunachal Pradesh           | SCT             | FWS          | FWS          | WS           | FWS          |
| 3. Assam & Meghalaya           | FWS             | FWS          | FWS          | FWS          | SCT          |
| 4. N. M. M. & T.               | FWS             | FWS          | SCT          | SCT          | ISOL         |
| 5. S.H. West Bengal & Sikkim   | WS              | WS           | WS           | WS           | FWS          |
| 6. Gangetic West Bengal        | FWS             | WS           | FWS          | SCT          | SCT          |
| 7. Odisha                      | SCT             | FWS          | FWS          | FWS          | FWS          |
| 8. Jharkhand                   | SCT             | FWS          | FWS          | FWS          | FWS          |
| 9. Bihar                       | SCT             | SCT          | FWS          | FWS          | SCT          |
| 10. East Uttar Pradesh         | SCT             | FWS          | FWS          | WS           | WS           |
| 11. West Uttar Pradesh         | FWS             | FWS          | FWS          | FWS          | FWS          |
| 12. Uttarakhand                | WS              | WS           | WS           | WS           | FWS          |
| 13. Haryana, Chd & Delhi       | FWS             | WS           | WS           | FWS          | ISOL         |
| 14. Punjab                     | FWS             | WS           | FWS          | SCT          | ISOL         |
| 15. Himachal Pradesh           | WS              | WS           | WS           | FWS          | SCT          |
| 16. Jammu & Kashmir            | FWS             | WS           | FWS          | SCT          | ISOL         |
| 17. West Rajsthan              | WS              | SCT          | ISOL         | ISOL         | ISOL         |
| 18. East Rajsthan              | WS              | FWS          | FWS          | SCT          | SCT          |
| 19. West Madhya Pradesh        | FWS             | SCT          | SCT          | SCT          | SCT          |
| 20. East Madhya Pradesh        | SCT             | SCT          | SCT          | FWS          | WS           |
| 21. Gujarat Region             | WS              | SCT          | SCT          | ISOL         | ISOL         |
| 22. Saurashtra & Kutch         | FWS             | SCT          | ISOL         | ISOL         | ISOL         |
| 23. Konkan & Goa               | WS              | WS           | WS           | WS           | WS           |
| 24. Madhya Maharashtra         | SCT             | SCT          | SCT          | SCT          | SCT          |
| 25. Marathawada                | ISOL            | ISOL         | ISOL         | ISOL         | ISOL         |
| 26. Vidharbha                  | SCT             | SCT          | SCT          | SCT          | SCT          |
| 27. Chhattisgarh               | SCT             | SCT          | FWS          | FWS          | WS           |
| 28. Coastal A. P. & Yanam      | SCT             | FWS          | FWS          | FWS          | SCT          |
| 29. Telangana                  | SCT             | SCT          | FWS          | FWS          | FWS          |
| 30. Rayalaseema                | SCT             | SCT          | SCT          | SCT          | SCT          |
| 31. T.N.,Puducherry & Karaikal | FWS             | SCT          | SCT          | SCT          | SCT          |
| 32. Coastal Karnataka          | WS              | WS           | WS           | WS           | WS           |
| 33. North Interior Karnataka   | SCT             | SCT          | SCT          | SCT          | SCT          |
| 34. South Interior Karnataka   | FWS             | SCT          | SCT          | SCT          | SCT          |
| 35. Kerala & Mahe              | WS              | FWS          | SCT          | SCT          | FWS          |
| 36. Lakshadweep                | FWS             | SCT          | SCT          | SCT          | SCT          |

#### % Station Reporting Rainfall

| % Stations | Category                             | % Stations | Category                      |
|------------|--------------------------------------|------------|-------------------------------|
| 76-100     | Widespread (WS/Most Places)          | 26-50      | Scattered (SCT/ A Few Places) |
| 51-75      | Fairly Widespread (FWS/ Many Places) | 1-25       | Isolated (ISOL)               |
| No Rain    | Dry                                  |            |                               |

### Weather Warning during next 5 days

**16 August (Day 1):** ♦ **Heavy rainfall** at a few places with **very heavy** and **extremely heavy falls** very likely at isolated places over West Rajasthan; **Heavy to very heavy rainfall** with **extremely heavy falls** at isolated places over East Rajasthan; **Heavy to very heavy rainfall** at isolated places over Gujarat region, Sub-Himalayan West Bengal & Sikkim and Tamilnadu, Puducherry & Karaikal; **Heavy rainfall** at isolated places over Jammu & Kashmir, Uttarakhand, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi, Konkan & Goa, West Madhya Pradesh, Andaman

& Nicobar Islands, Assam & Meghalaya, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Rayalaseema, Kerala & Mahe and Coastal & South Interior Karnataka.

◆ **Thunderstorm accompanied with lightning** very likely at isolated places over Gangetic West Bengal.

◆ **Strong winds**, speed reaching 45-55 kmph, are likely to prevail over westcentral & southwest Arabian Sea. **Squally weather** likely to prevail over south Tamil Nadu coast. Fishermen are advised not to venture into these areas.

**17 August (Day 2):** ◆ **Heavy rainfall** at a few places with **very heavy falls** at isolated places very likely over Punjab and Himachal Pradesh; **Heavy to very heavy rainfall** at isolated places over Jammu & Kashmir, Uttarakhand, Haryana, Chandigarh & Delhi, Rajasthan, Coastal Andhra Pradesh & Yanam and **Heavy rainfall** at isolated places over West Uttar Pradesh, West Bengal & Sikkim, Konkan & Goa and Tamilnadu, Puducherry & Karaikal.

◆ **Thunderstorm accompanied with lightning** very likely at isolated places over Bihar, Jharkhand, Gangetic West Bengal and Odisha.

◆ **Strong winds**, speed reaching 45-55 kmph, are likely to prevail over westcentral & southwest Arabian Sea. **Squally weather** likely to prevail over south Tamil Nadu coast. Fishermen are advised not to venture into these areas.

**18 August (Day 3):** ◆ **Heavy to very heavy rainfall** very likely at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Haryana, Chandigarh & Delhi, Punjab and **Heavy rainfall** at isolated places over West Uttar Pradesh, Konkan & Goa, Bihar, Jharkhand, West Bengal & Sikkim, Arunachal Pradesh and Assam & Meghalaya.

◆ **Thunderstorm accompanied with lightning** very likely at isolated places over Bihar, Gangetic West Bengal, Jharkhand and Odisha.

◆ **Strong winds**, speed reaching 45-55 kmph, are likely to prevail over westcentral & southwest Arabian Sea. Fishermen are advised not to venture into these areas.

**19 August (Day 4):** ◆ **Heavy rainfall** likely at isolated places over Arunachal Pradesh and Assam & Meghalaya.

◆ **Thunderstorm accompanied with lightning** likely at isolated places over Jharkhand.

◆ **Strong winds**, speed reaching 45-55 kmph, are likely to prevail over westcentral & southwest Arabian Sea. Fishermen are advised not to venture into these areas.

**20 August (Day 5):** ◆ **Heavy rainfall** likely at isolated places over East Madhya Pradesh and Chhattisgarh.

◆ **Strong winds**, speed reaching 45-55 kmph, are likely to prevail over westcentral & southwest Arabian Sea. Fishermen are advised not to venture into these areas.

#### **Weather Outlook for subsequent 2 days from 21<sup>st</sup> August to 23<sup>rd</sup> August 2019**

◆ Fairly widespread to widespread rainfall with isolated heavy falls likely over East and Northeast India and northern parts of Central India.

◆ Scattered to fairly widespread rainfall likely over the rest of the country except over northwest India where isolated rainfall is likely.

#### **Salient advisories**

- As rain/thundershowers likely at most/many places over **Uttarakhand** and **West Uttar Pradesh** during the period, over **Himachal Pradesh** and **Haryana** from 16<sup>th</sup> to 19<sup>th</sup>, over **Jammu & Kashmir** and **Punjab** from 16<sup>th</sup> to 18<sup>th</sup>, over **East Uttar Pradesh** from 17<sup>th</sup> to 20<sup>th</sup> and over **East Rajasthan** from 16<sup>th</sup> to 18<sup>th</sup> along with **Heavy rainfall** at a few places with **very heavy falls** at isolated places very likely over Punjab and Himachal Pradesh on 17<sup>th</sup>; **Heavy to very heavy rainfall** at isolated

places over Jammu & Kashmir, Uttarakhand, Haryana, Chandigarh & Delhi on 17<sup>th</sup> & 18<sup>th</sup>, over Rajasthan on 16<sup>th</sup> & 17<sup>th</sup> August, rain/thundershowers likely at most places over **Coastal Karnataka** during the period, at most/many places over **Kerala** on 16<sup>th</sup>, 17<sup>th</sup> & 20<sup>th</sup>, over **Tamilnadu, Puducherry & Karaikal** on 16<sup>th</sup>, over **Coastal Andhra Pradesh** on 17<sup>th</sup> to 19<sup>th</sup> and over **Telangana** 18<sup>th</sup> to 20<sup>th</sup> August along with **Heavy /Heavy to very heavy rainfall** at isolated places over Tamilnadu, Puducherry & Karaikal on 16<sup>th</sup> & 17<sup>th</sup> August, avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields like vegetables, pulses and maize. Provide mechanical support to young fruit plants and staking in vegetables to prevent the crops from lodging due to heavy rain.

- **Thunderstorm accompanied with lightning** very likely at isolated places over Bihar, Jharkhand, Gangetic West Bengal and Odisha on 17<sup>th</sup> & 18<sup>th</sup> August, provide mechanical support to banana and propping up in sugarcane/staking of vegetables to prevent the crops from lodging due to strong winds.
- In **Kerala**, drain out excess water from rice fields and maintain 5-7cm water level. Also drain out excess water from banana, coconut, ginger and vegetable fields.
- In **Madhya Maharashtra**, in flood affected districts, drain out excess water from already sown crop fields. Maintain 5 cm water level in the rice fields.
- Utilizing the reliased and expected rainfall, undertake sowing/transplanting of following *Kharif* crops:
  - In **South Interior Karnataka**, continue sowing of Foxtail millet, black gram, sunflower, soybean and cowpea. Continue transplanting of ragi and rice seedlings in Southern Transition Zone.
  - In **Southern Telangana** zone, undertake sowing of Cowpea, Castor, Sesamum and Sunflower.
  - In **Coastal Zone of Tamil Nadu**, undertake nursery raising of long duration varieties of *Samba* rice.
  - In upland areas of Odisha, undertake sowing of Ragi, Maize, Arhar, Green gram, Black gram, Cowpea, Sesame, Groundnut, etc.

- Weather forecast issued by NWFC, New Delhi and Agromet Advisories prepared based on the DAAS Bulletins issued by different Agrometeorological Field Units are included in this bulletin.