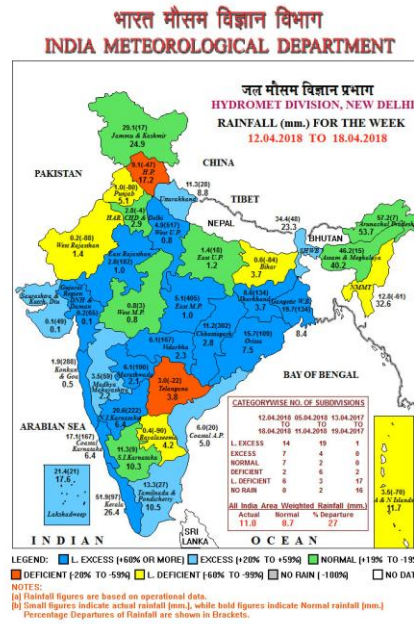
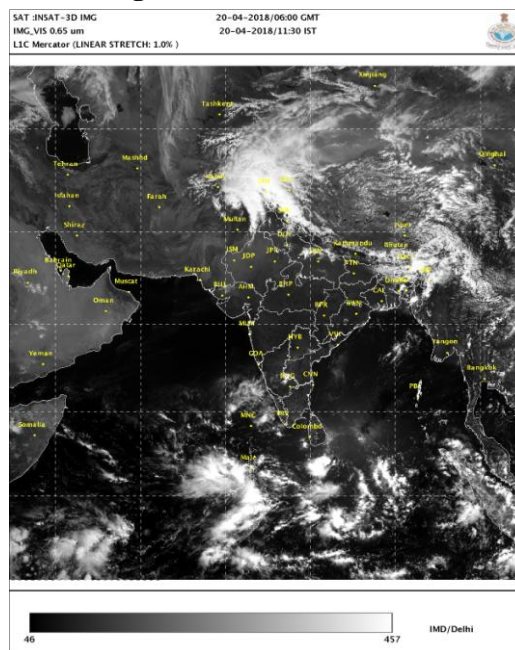


Rainfall map for the week ending 18.04.2018



- ◆ **Large Excess Rain:** West Uttar Pradesh, East Rajasthan, Gujarat region, Dadara Nagar Haveli & Daman, East Madhya Pradesh, Chhattisgarh, Jharkhand, Odisha, Gangetic West Bengal, Vidarbha, Marathwada, Konkan & Goa, North Interior Karnataka, Coastal Karnataka, Kerala
- ◆ **Excess Rain:** Uttarakhand, Sub-Himalayan West Bengal, Saurashtra & Kutch, Madhya Maharashtra, Coastal Andhra Pradesh, Lakshadweep, Tamil Nadu & Pondicherry
- ◆ **Normal Rain:** Jammu & Kashmir, Haryana, Chandigarh & Delhi, West Madhya Pradesh, East Uttar Pradesh, South Interior Karnataka, Arunachal Pradesh, Assam & Meghalaya
- ◆ **Large Deficient Rain / Deficient Rain / No Rain:** Rest of the country

Satellite image 0600 UTC Dated 20.04.2018



Weather Forecast for next 5 days valid up to 0830 hours of 25th April 2018

- Meteorological subdivision wise detailed 5 days rainfall forecast is given in Table below.
- Day maximum temperatures are likely to remain above 40°C over central and Eastern India during next 2-3 days.
- No significant change in maximum temperatures likely over major parts of the country during next 2 days, outside northwest India & Gujarat where it is likely to fall by 2-3°C during next 24 hours.

5 Day Rainfall Forecast (Mid day) 20th April 2018

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

- **20 April (Day 1):** Thunderstorm accompanied with squall and hail very likely at isolated places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Thunderstorm accompanied with gusty winds very likely at isolated places over Uttar Pradesh, north Rajasthan, West Bengal & Sikkim, Jharkhand, Odisha, Assam & Meghalaya, Manipur, Mizoram & Tripura, Telangana, Karnataka, north Coastal Andhra Pradesh, Tamilnadu and Kerala. Thunderstorm accompanied with squall very likely at isolated places over Punjab, Haryana, Chandigarh & Delhi and Bihar. Heavy rain very likely at isolated places

over Jammu & Kashmir, south Assam & Meghalaya and Mizoram & Tripura. Heat wave conditions very likely in one or two pockets over Vidharbha. Strong winds speed reaching 25-35 kmph gusting to 45 kmph with moderate to rough sea conditions are very likely along and off West Bengal Odisha coasts. Fishermen are advised to be cautious while venturing in to the sea along & off these coasts.

- **21 April (Day 2):** Thunderstorm accompanied with squall and hail very likely at isolated places over Sub-Himalayan West Bengal & Sikkim. Thunderstorm accompanied with squall very likely at isolated places over Jharkhand and Gangetic West Bengal. Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha, Assam & Meghalaya, Manipur, Mizoram, Tripura, south Chhattisgarh and Kerala. Heavy rain very likely at isolated places over south Assam & Meghalaya and Mizoram & Tripura. Strong winds speed occasionally reaching 40-50 kmph with moderate to rough sea conditions are very likely along and off West Bengal Odisha coasts. Fishermen are advised not to venture into the Sea along & off these coasts. Based on the forecast generated by INCOIS, moderate to rough sea conditions are very likely to prevail along the West coast of India and rough to very rough over southern parts of West Coast and Lakshadweep area in the morning hours. Fishermen are advised to be cautious while venturing into the Sea along & off these areas.
- **22 April (Day 3):** Thunderstorm accompanied with squall and hail very likely at isolated places over Sub-Himalayan West Bengal & Sikkim. Thunderstorm accompanied with squall likely at isolated places over Gangetic West Bengal. Thunderstorm accompanied with gusty winds likely at isolated places over Telangana, Tamilnadu, interior Karnataka and Kerala. Based on the forecast generated by INCOIS, moderate to rough sea conditions are very likely to prevail along & off the West coast of Andaman & Nicobar Islands. Fishermen are advised to be cautious while venturing into the Sea along & off these areas.
- **23 April (Day 4):** Heat wave conditions are likely to prevail in some parts of Jammu & Kashmir, Himachal Pradesh and Uttarakhand. Based on the forecast generated by INCOIS, rough to very rough sea conditions are likely to prevail along & off the West coast of Andaman & Nicobar Islands. Fishermen are advised not to venture into the Sea along & off these areas.
- **24 April (Day 5):** Thunderstorm accompanied with gusty winds likely at isolated places over Telangana. Heat wave conditions are likely to prevail in some parts of Jammu & Kashmir Himachal Pradesh and Uttarakhand.

Weather Outlook for subsequent 2 days from 25th to 27th April 2018

- A fresh western Disturbance is likely to cause scattered to fairly widespread precipitation over Western Himalayan region.
- Fairly widespread to widespread rain/thundershowers likely over northeast India.
- Isolated to Scattered rain/thundershowers likely over south peninsular India and along east coast. Dry weather likely over remaining parts of the country.
- Maximum temperatures are likely to rise by 2-3°C over Northwest and Central India, thereby leading to development of heat wave conditions over parts of Rajasthan around 26th April.

Executive Summary

- As strong winds speed reaching 25-35kmph gusting to 45 kmph with moderate to rough sea conditions are very likely along and off **West Bengal Odisha** coasts on 20th and wind speed reaching 40-50 kmph with moderate to rough sea conditions on 21st April, fishermen are advised to be cautious while venturing in to the sea along & off these coasts. Based on the forecast generated by INCOIS, moderate to rough sea conditions are very likely to prevail along & off the **West coast of Andaman & Nicobar Islands** on 22nd & 23rd April and moderate to rough sea conditions are very likely to prevail along the **West coast of India** and rough to very rough over southern parts of West Coast and Lakshadweep area in the morning hours on 21st April, fishermen are advised to be cautious while venturing into the Sea along & off these areas.
- As rain is likely at most places over **Jammu & Kashmir, Himachal Pradesh and Uttarakhand** on 20th,

along with heavy rain very likely at isolated places over **Jammu & Kashmir** on 20th April, rain/thundershowers would occur at many places over **Sub-Himalayan West Bengal & Sikkim** from 20th to 22nd April, over Arunachal Pradesh from 20th to 22nd, over **Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura** on 20th and 21st, along with heavy rain very likely at isolated places over south Assam & Meghalaya and Mizoram & Tripura on 20th and 21st April, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Keep harvested crops at safer places.

- As thunderstorm accompanied with squall and hail very likely at isolated places over **Jammu & Kashmir, Himachal Pradesh** and **Uttarakhand** on 20th, over **Sub Himalayan West Bengal & Sikkim** on 21st and 22nd April, it is advised to use hail net for orchard crops to protect from mechanical damage. Provide support to young fruit plants and vegetables and propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safe places.
- As thunderstorm accompanied with gusty winds likely at isolated places over **Uttar Pradesh, north Rajasthan** on 20th April, over **Assam & Meghalaya, Manipur, Mizoram & Tripura** on 20th and 21st, over **Telangana** on 20th, 22nd and 24th, over **Karnataka, north Coastal Andhra Pradesh** on 20th, over **Tamilnadu** on 20th and 22nd, over Kerala on 20th, 21st and 22nd, over **Interior Karnataka** on 22nd April, provide support to banana, papaya, young fruit plants and vegetables to avoid lodging. Undertake propping up in sugarcane.
- As thunderstorm accompanied with squall very likely at isolated places over **Punjab, Haryana, Chandigarh & Delhi** on 20th April, over **Bihar** on 20th, over **Jharkhand** and **Gangetic West Bengal** on 21st, thunderstorm accompanied with gusty winds very likely at isolated places over **West Bengal & Sikkim** and **Jharkhand** on 20th and over **Odisha** on 20th & 21st April, it is advised to provide support to young fruit plants, banana and vegetables and propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safer places.
- As heat wave conditions very likely to prevail in some parts of **Jammu & Kashmir, Himachal Pradesh** and **Uttarakhand** on 23rd and 24th April, heat wave conditions very likely in one or two pockets over **Vidarbha** on 20th April, apply light and frequent irrigation to the standing crops to cope up with the excess evaporative demand due to heat wave conditions, undertake mulching with straw/polythene to conserve soil moisture.
- In **Vidarbha**, to reduce fruit drop in orange and sweet orange due to prevailing high temperature, spray Potassium Nitrate (10 g/liter of water) on pea sized fruits of mandarin orange and spray of NAA @ 2 g + Urea 1 kg per 100 liters of water in sweet orange. Spray may be repeated after 15 days. Apply frequent/adequate irrigation along with mulching in orange orchards.

- 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.