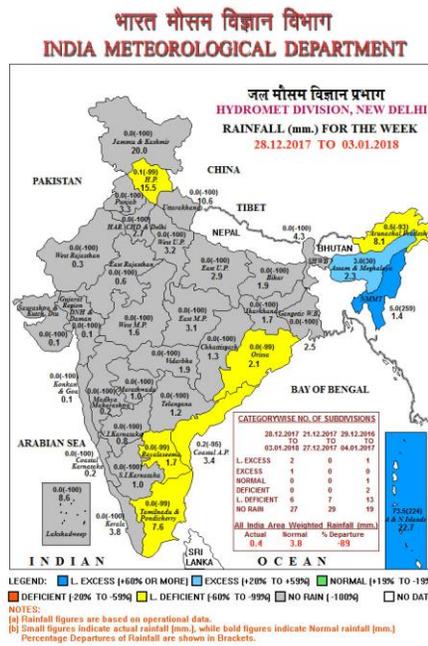
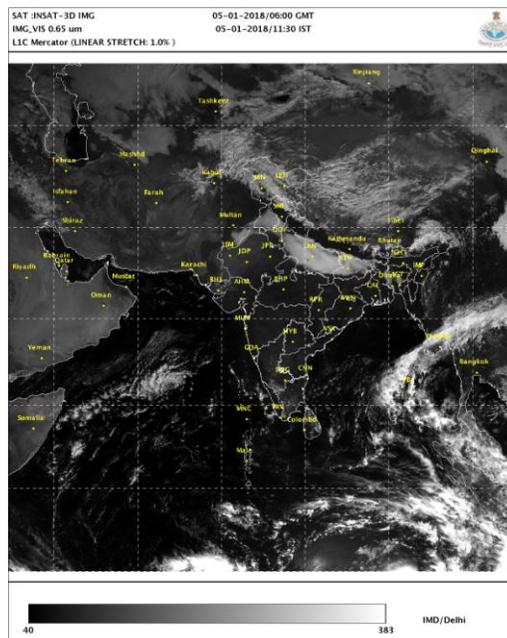


Rainfall map for the week ending 03.01.2018



- ◆ **Large Excess Rain:** Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram and Tripura
- ◆ **Excess Rain:** Assam and Meghalaya
- ◆ **Normal Rain:** Nil.
- ◆ **Rainfall was Low Deficient / Dry:** Rest of the country.

Satellite image 0600 UTC Dated 05.01.2018



Weather Forecast for next 5 days valid upto 0830 hours of 10th January, 2018

- Meteorological subdivision wise detailed 5 days rainfall forecast is given in Table below.
- Minimum temperatures very likely to fall by 1-2°C over Indo Gangetic plains from tomorrow onwards and no significant change over rest parts of the country during next 3 days.

5 Day Rainfall Forecast (Mid day) 5th January, 2018

Met-Sub-Division	05-Jan Today	06Jan Sat	07Jan Sun	08Jan Mon	09Jan Tue
1. Andaman & Nicobar Islands	WS	FWS	SCT	SCT	SCT
2. Arunachal Pradesh	ISOL	DRY	DRY	DRY	DRY
3. Assam & Meghalaya	DRY	DRY	DRY	DRY	DRY
4. N. M. M. & T.	DRY	DRY	DRY	DRY	DRY
5. S.H. West Bengal & Sikkim	ISOL	DRY	DRY	DRY	DRY
6. Gangetic West Bengal	DRY	DRY	DRY	DRY	DRY
7. Odisha	DRY	DRY	DRY	DRY	DRY
8. Jharkhand	DRY	DRY	DRY	DRY	DRY
9. Bihar	DRY	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	ISOL	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	ISOL	DRY	DRY	DRY	ISOL
17. West Rajsthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	DRY	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	DRY	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	DRY
26. Vidharbha	DRY	DRY	DRY	DRY	DRY
27. Chhattisgarh	DRY	DRY	DRY	DRY	DRY
28. Coastal Andhra Pradesh	DRY	DRY	DRY	DRY	DRY
29. Telangana	DRY	DRY	DRY	DRY	DRY
30. Rayalaseema	DRY	DRY	DRY	DRY	DRY
31. Tamilnadu & Puducherry	DRY	DRY	DRY	ISOL	ISOL
32. Coastal Karnataka	DRY	DRY	DRY	DRY	DRY
33. North Interior Karnataka	DRY	DRY	DRY	DRY	DRY
34. South Interior Karnataka	DRY	DRY	DRY	DRY	DRY
35. Kerala	DRY	DRY	DRY	DRY	DRY
36. Lakshadweep	ISOL	ISOL	ISOL	ISOL	DRY

% 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

- **05 January (Day 1):** Dense fog at a few places with very dense at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi and Uttar Pradesh; dense fog at a few places very likely over lower regions of Himachal Pradesh & Uttarakhand, north Madhya Pradesh, Bihar and Sub Himalayan West Bengal and isolated over north Rajasthan, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Cold wave conditions very likely at a few places over east Uttar Pradesh and Bihar and at isolated places over East Rajasthan, East Madhya Pradesh, Chhattisgarh, Vidarbha, Jharkhand,

Gangetic West Bengal, Odisha and Telangana. Cold day conditions at many places with severe cold day isolated places very likely over East Uttar Pradesh and Bihar; cold day at a few places with severe cold day at isolated places over Punjab, Haryana, Chandigarh & Delhi and Sub-Himalayan West Bengal. Ground frost conditions very likely at isolated places over east Uttar Pradesh and Bihar and at isolated places over East Rajasthan, East Madhya Pradesh, Chhattisgarh and Jharkhand. Strong winds speed reaching 35-45 kmph occasionally are likely along and off Tamilnadu coast.

- **06 January (Day 2):** Dense to very dense fog at a few places very likely over East Uttar Pradesh and Bihar; dense to very dense fog at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, lower regions of Himachal Pradesh & Uttarakhand, and west Uttar Pradesh, north Madhya Pradesh, Sub-Himalayan West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Cold wave conditions very likely at a few places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Bihar and at isolated places over Rajasthan, Madhya Pradesh, Chhattisgarh, Vidarbha, Jharkhand, Gangetic West Bengal, Odisha and Telangana. Cold day conditions at a few places very likely over East Uttar Pradesh and Bihar; cold day at isolated places over Punjab, Haryana, Chandigarh & Delhi and Sub-Himalayan West Bengal. Ground frost conditions very likely at isolated places over Uttar Pradesh and Bihar, East Rajasthan, Madhya Pradesh, Chhattisgarh, Vidarbha and Jharkhand. Strong winds speed reaching 35-45 kmph occasionally are likely along and off Tamilnadu coast.
- **07 January (Day 3):** Dense to very dense fog at a few places very likely over East Uttar Pradesh and Bihar; dense to very dense fog at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, lower regions of Himachal Pradesh & Uttarakhand and west Uttar Pradesh, north Madhya Pradesh, Sub-Himalayan West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Cold wave conditions very likely at a few places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Bihar and at isolated places over Rajasthan, Madhya Pradesh, Chhattisgarh, Vidarbha, Jharkhand, Gangetic West Bengal, Odisha and Telangana. Cold day conditions at a few places very likely over East Uttar Pradesh and Bihar; cold day at isolated places over Punjab, Haryana, Chandigarh & Delhi and Sub-Himalayan West Bengal. Ground frost conditions very likely at isolated places over Uttar Pradesh and Bihar, East Rajasthan, Madhya Pradesh, Chhattisgarh, Vidarbha and Jharkhand. Strong winds speed reaching 35-45 kmph occasionally are likely along and off Tamilnadu coast.
- **08 January (Day 4):** Dense to very dense fog at a few places very likely over East Uttar Pradesh and Bihar; dense to very dense fog at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, lower regions of Himachal Pradesh & Uttarakhand and west Uttar Pradesh, north Madhya Pradesh, Sub-Himalayan West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Cold wave conditions very likely at a few places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Bihar and at isolated places over Rajasthan, Madhya Pradesh, Chhattisgarh, Vidarbha, Jharkhand, Gangetic West Bengal, Odisha and Telangana. Cold day conditions at a few places very likely over East Uttar Pradesh and Bihar; cold day at isolated places over Punjab, Haryana, Chandigarh & Delhi and Sub-Himalayan West Bengal. Ground frost conditions very likely at isolated places over Uttar Pradesh and Bihar, East Rajasthan, Madhya Pradesh, Chhattisgarh, Vidarbha and Jharkhand. Strong winds speed reaching 45-55 kmph occasionally are likely along and off Tamilnadu coast. Fishermen are advised to be cautious while venturing into the sea along and off Tamilnadu coast.
- **09 January (Day 5):** Dense to very dense fog at a few places very likely over East Uttar Pradesh and Bihar; dense to very dense fog at isolated places very likely over Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, lower regions of Himachal Pradesh & Uttarakhand and west Uttar Pradesh, north Madhya Pradesh, Sub-Himalayan West Bengal, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura. Cold wave conditions very likely at a few places over Punjab, Haryana, Chandigarh & Delhi, Uttar Pradesh and Bihar and at isolated places over Rajasthan, Madhya Pradesh, Chhattisgarh, Vidarbha, Jharkhand, Gangetic West Bengal, Odisha and Telangana. Cold day conditions at a few places very likely over East Uttar Pradesh and Bihar; cold day at isolated places over Punjab, Haryana, Chandigarh & Delhi and Sub-Himalayan West Bengal. Ground frost conditions very likely at isolated places over Uttar Pradesh and Bihar, East Rajasthan, Madhya Pradesh, Chhattisgarh, Vidarbha and Jharkhand. Strong winds speed reaching 45-55 kmph occasionally are likely along and off Tamilnadu coast. Fishermen are advised to be cautious while venturing into the sea along and off Tamilnadu coast.

Weather Outlook for subsequent 2 days from 10th to 12th January 2018

- Rainfall activity likely to increase over extreme south peninsular India. Rainfall at a few places likely over Andaman & Nicobar Islands and Lakshadweep Islands.
- Weather likely to be dry over remaining parts of the country.
- Minimum temperatures are likely to remain below normal over northwest, Central and east India.

Executive Summary

- As strong winds speed reaching 35-45 kmph occasionally are likely along and off **Tamilnadu coast** from 5th to 7th and strong winds speed reaching 45-55 kmph occasionally are likely along and off **Tamilnadu coast** on 8th and 9th January. Fishermen are advised to be cautious while venturing into the sea along and off **Tamilnadu coast**.
- As cold wave conditions very likely at a few places over **East Uttar Pradesh** on 5th, over **Punjab, Haryana, Chandigarh & Delhi** and **Uttar Pradesh**, at isolated places over Rajasthan from 6th to 9th January, cold wave conditions very likely at a few/isolated places along with ground frost conditions over **Bihar** and **Jharkhand** during the period and cold wave conditions at isolated places over **Gangetic West Bengal, Odisha, Vidarbha** and **Telangana** during the period, cold wave and ground frost conditions very likely at isolated places over **East Madhya Pradesh** on 5th, over **Madhya Pradesh** from 6th to 9th, over **Chhattisgarh** during the period, apply light and frequent irrigation/sprinkler irrigation in the evening to protect the crops from cold injury. To protect young fruit plants from chilly winds, cover young fruit plants with straw/polythene sheets/gunny bags.
- As dense fog at a few places with very dense fog at isolated places very likely over **Punjab, Haryana, Chandigarh & Delhi** and **Uttar Pradesh** on 5th, dense to very dense fog very likely at a few places over **East Uttar Pradesh** and at isolated places over **Punjab Haryana, Chandigarh & Delhi, north Rajasthan** from 6th to 9th, dense fog at a few/isolated places over lower regions of **Himachal Pradesh & Uttarakhand**, dense fog at a few places very likely over Bihar and at a few/isolated places over **Sub Himalayan West Bengal** during the period, dense to very dense/dense fog very likely at isolated places over **Assam & Meghalaya** and **Nagaland, Manipur, Mizoram & Tripura** during the period monitor the standing crops for incidence and spread of pest diseases, tomato and onion crops for early/late blight disease. If symptoms are noticed, undertake plant protection measures.
- In **South Telangana Zone**, to overcome cold wave conditions and for better nursery growth in rice, cover the nursery beds with polythene sheet during night and remove in the morning. Irrigate the nursery bed every day in the evening and let out the water in the morning.
- As rainfall is very likely at most/many places over **Andman & Nicobar Islands** on 5th & 6th January, avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops.
- In Sub Humid Southern Plain and Aravalli Hill Zone of **Rajasthan**, in present weather condition, constant monitoring of aphid is advised in mustard crop. If insect population is above ETL, then spraying of Rogar or Quinalphos @ 2.0 ml/litre of water is recommended. In Mustard and Fenugreek for control of moyala, application of Dimethoate 30 EC @ 1Litre /ha is advised.
- In the Hill Zone of **Assam**, foggy weather may cause blight disease in tomato. Alternate application of Ridomil MZ-72

(2g/litre) and Indofil M-45 2.5g / litre of water at 15 days interval can prevent the disease. Keeping in view of high relative humidity, farmers are advised to do monitoring of late blight in potato & advised to spray Dithane-M-45@ 2g/litre of water.

- In view of the cold wave conditions in **Punjab, Haryana, Chandigarh & Delhi, north Rajasthan, Vidarbha, Bihar, Jharkhand Odisha, East Madhya Pradesh** and **Chhattisgarh** during the period, keep animals inside the sheds during night and provide dry bedding to protect them from cold. Animals should be given mineral mixture along with salt regularly and wheat grains, jaggery etc. may be provided @ 10%-20% in the daily ration during winter season to meet the energy requirement of the animals, 10% extra dry matter should be provided over and above the total requirement to fulfill the extra energy requirement in winter. In Poultry, keep the chicks warm by providing artificial light in the poultry sheds.

- 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.