National Agromet Advisory Service Bulletin

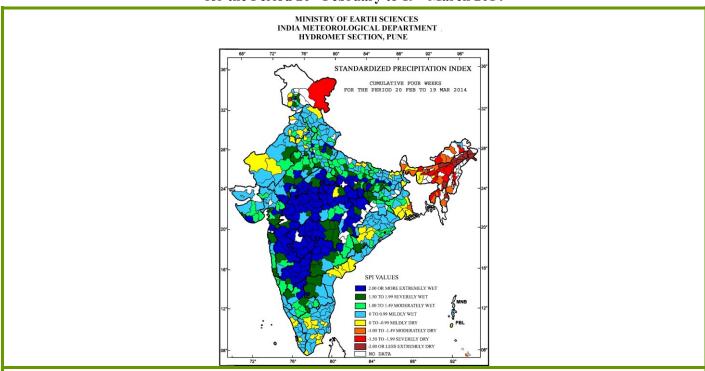
Friday 21st March 2014 (For the period 21st to 25th March 2014)



Issued by

National Agrometeorological Advisory Service Centre, Agricultural Meteorology Division, India Meteorological Department, Shivajinagar, Pune.

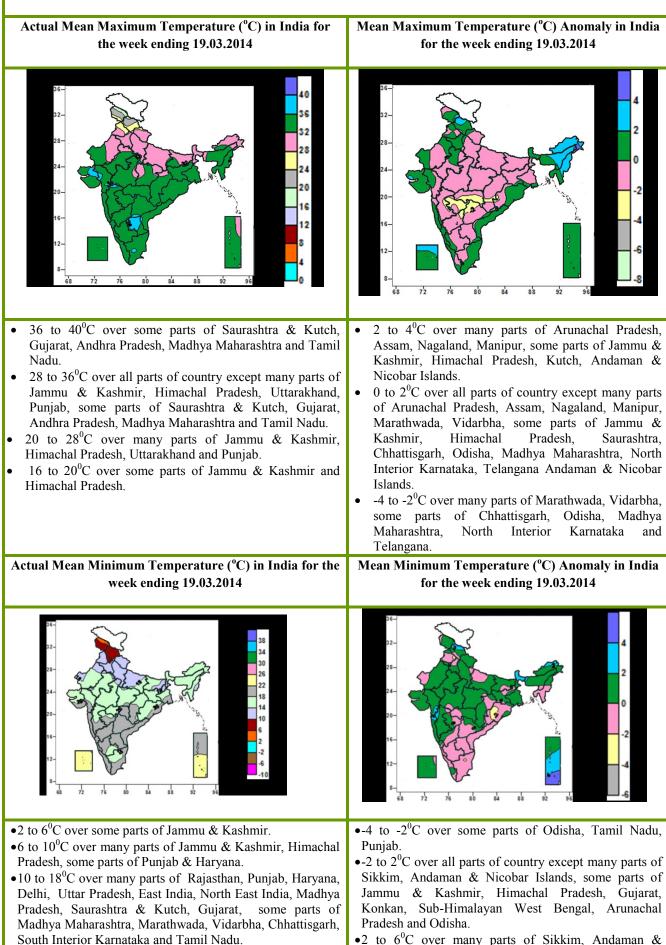
Standardised Precipitation Index Four Weekly for the Period 20th February to 19th March 2014



 Extremely wet/severely wet conditions experienced over most parts of Madhya Pradesh, Chhattisgarh, Maharashtra, Karnataka, some parts of Bihar, Uttar Pradesh, Rajasthan, Gujarat, Jharkhand and Andhra Pradesh, Rewari and Faridabad districts of Haryana, Koraput district of Odisha and Anantnag, Pulwama, Badgam and Reasi districts of Jammu & Kashmir.

- Moderately/ severely dry conditions experienced over most parts of Northeast region.
- Extremely dry conditions experienced over some part of Assam, Poonch district of Jammu & Kashmir.
- Rest of the country experienced mild wet/dry conditions.

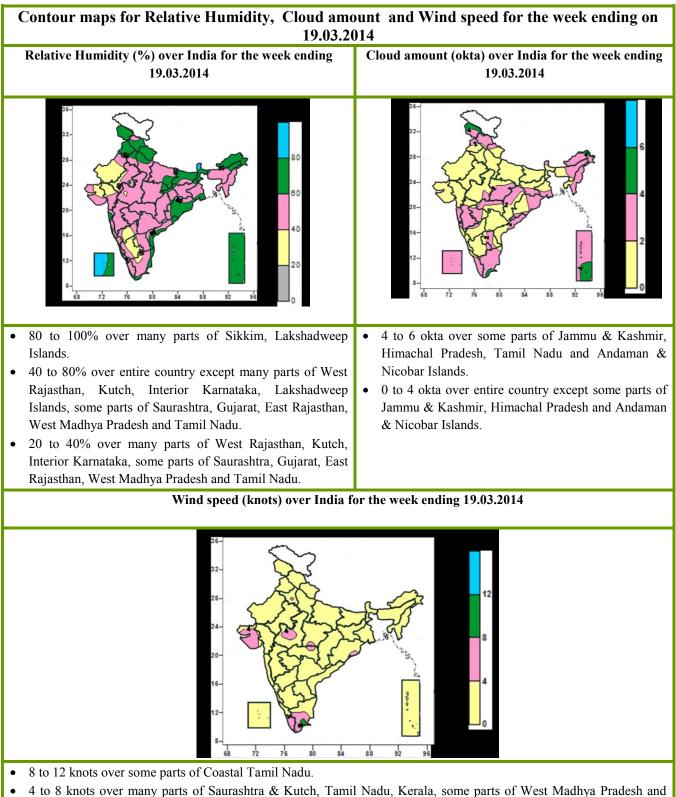
Contour maps for Mean Maximum and Minimum Temperature and their anomaly for the week ending on 19.03.2014



Nicobar Islands, some parts of Jammu & Kashmir,

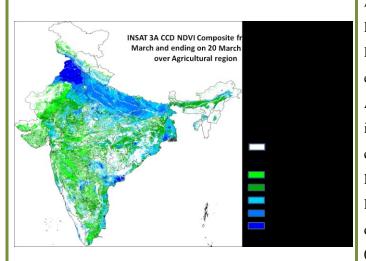
•18 to 26⁰C many parts of Konkan & Goa, Andhra Pradesh,

Karnataka, Tamil Nadu, Kerala, Lakshadweep, Andaman & Nicobar Islands, some parts of Coastal Odisha, Chhattisgarh, West India, East Madhya Pradesh, Gangetic West Bengal.



- 4 to 8 knots over many parts of Saurashtra & Kutch, Tamil Nadu, Kerala, some parts of West Madhya Pradesh and North Vidarbha.
- 0 to 4 knots over entire country except many parts of Saurashtra & Kutch, Tamil Nadu, Kerala, some parts of West Madhya Pradesh and North Vidarbha.

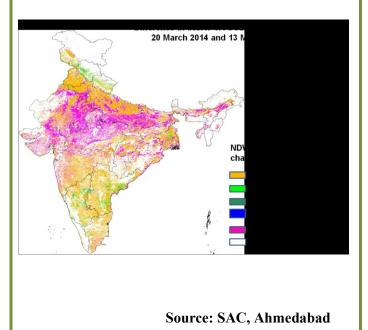
INSAT 3A CCD NDVI COMPOSITE OVER AGRICULTURAL REGION 14th – 20th March 2014



Source: SAC, Ahmedabad

Agricultural vigour is in generally very good over whole Punjab and part of Haryana few pockets of eastern Rajasthan, part central and eastern UP and western and eastern Bihar, southern West Bengal and pockets of coastal AP as NDVI exceeds 0.5. Agricultural vigour is moderate in north and south belt of UP, central Bihar, eastern MP, coastal Odisha, central Gujarat and few pockets of north MP where, NDVI is in the range of 0.4 to 0.5 upto 13th March 2014. The NDVI was observed low over major part of Rajasthan, MP and Maharashtra and it varied between 0.2 and 0.3. The NDVI remains within the range of 0.2 to 0.4 over rest of India.

Difference in INSAT 3A CCD NDVI between 20th March and 13th March 2014



Agricultural progress was found to be good over eastern Karnataka and coastal AP. The moderate progress was observed over Punjab, north part of Haryana, western and central UP and few pockets of Chhattisgarh, West Bengal and central Maharashtra. The major decrease in NDVI was observed in Rajasthan, major part of MP, eastern UP and adjacent Bihar, eastern and central Maharashtra as compared to previous week. Rest of India showed decay in agricultural vigour as compared to past week.

| Weather Fo | orecast |
|---|--|
| Weather Forecast for next 3 days (upto 0830 hours IST of 24th March, 2014) Rain/snow would occur at a few places over Jammu & Kashmir,Himachal Pradesh and Uttarakhand during next 48 hours and decrease thereafter. Rain/thundershowers would occur at isolated places over Punjab, Haryana and north Rajasthan during next 24 hours and mainly dry thereafter. Rain/thundershowers would occur at isolated places over West Bengal & Sikkim during next 48 hours and mainly dry thereafter. Rain/thundershowers would occur at isolated places over Odisha during next 24 hours and mainly dry thereafter. Rain/thundershowers would occur at isolated places over Arunachal Pradesh and Assam & Meghalaya during next 24 hours and decrease thereafter. Rain/thundershowers would occur at a few places over Arunachal Pradesh and Assam & Meghalaya during next 24 hours and decrease thereafter. Rain/thundershowers would occur at a few places over Nagaland, Manipur, Mizoram & Tripura. Rain/thundershowers would occur at isolated places over Tamilnadu and Lakshadweep during next 24 hours and mainly dry thereafter. Rain/thundershowers would occur at isolated places over Kerala. Maximum temperatures would rise by 2-4°C at many places over northwest and central India. Mainly dry/dry weather would prevail over rest of the country. | |
| Satellite image dated 21.03.2014, 0600 UTC | Weather Forecast Map (Valid upto 0830 hours of 24 th March, 2014) |
| | Kenchal Prodesh Wood / Many Dicces Mod places Mod places Mod / Many Dicces Many / Fee / Modited Dicces Many Dy/Dy Many Dy/Dy |

Salient Advisories

- As isolated thundersquall / hailstorm would occur over Jammu division of Jammu & Kashmir, Himachal Pradesh and Uttarakhand on 23rd March, use hail net for orchard crops to protect from mechanical damage. Also provide mechanical support to fruit crops and vegetables.
- As isolated thundersquall / hailstorm would occur over northeastern states during next three days, use hail net for orchard crops to protect from mechanical damage. Also provide mechanical support to banana, fruit crops and vegetables.
- As dry weather would prevail over Madhya Pradesh, undertake harvesting of matured gram and wheat in Malwa Plateau Zone, in Vindhya Plateau Zone and gram, mustard and maize in Jhabua Hill Zone.
- Prevailing temperature favours thrips infestation in groundnut in Ganjam district of East and South Eastern Coastal Plain Zone of **Odisha**. Spray 400 ml Dimethoate or 50 ml Imidachloprid in 200 litre water per acre for control.
- In Madhya Maharashtra and Marathwada, as mainly dry weather would prevail, complete the harvesting of already matured gram, wheat and jowar at the earliest. Apply irrigation in summer groundnut, sugarcane and vegetable crops.
- In the Scarce Rainfall Zone of Andhra Pradesh, rice crops affected by hail storms during first week of March may be sprayed with booster dose of urea and if the crop is in the grain formation stage, 2nd dose of urea may be applied to prevent damage.

Detailed Zonewise Agromet Advisories

NORTH INDIA [Jammu & Kashmir, Himachal Pradesh, Uttarakhand, Punjab, Haryana, Delhi, Uttar Pradesh & Rajasthan]









Wheat

Sugarcane

Late blight on potato

Mustard

- **Realised Rainfall:** Significant rainfall occurred in Chamba, Kinnaur, Kullu, Mandi, Sirmaur and Solan districts of Himachal Pradesh; in Dehradun, Rudraprayag and Uttarkashi districts of Uttarakhand; in many districts of Jammu & Kashmir except Jammu, Kargil, Kathua, Ladhak(leh), Poonch and Samba. Mainly dry weather prevailed over rest of the region.
- Weather Forecast: Rain/snow would occur at a few places over Jammu & Kashmir, Himachal Pradesh and Uttarakhand during next 48 hours and decrease thereafter. Rain/thundershowers would occur at isolated places over Punjab, Haryana and north Rajasthan during next 24 hours and mainly dry thereafter. Maximum temperatures would rise by 2-4°C at many places over northwest India. Mainly dry/dry weather would prevail over rest of the region.
- Weather Warning: Isolated thundersquall/hailstorm would occur over Jammu division of Jammu & Kashmir, Himachal Pradesh, Uttrakhand on 23rd March.
- Weather Outlook: Rain/snow would occur at many places over Jammu & Kashmir and at a few places over Himachal Pradesh and Uttrakhand. Rain/thundershowers would occur at isolated places over Punjab and north Rajasthan on 23rd. Weather would be mainly dry over rest of the region.

• Advisories:

- Jammu & Kashmir:
- ➤ As isolated thundersquall / hailstorm would occur over Jammu division of Jammu & Kashmir on 23rd March, use hail net for orchard crops to protect from mechanical damage. Also provide mechanical support to fruit crops and vegetables.
- In Sub Tropical & Intermediate Zone of Jammu & Kashmir, apply nitrogenous fertilizer as top dressing in khol khol, garlic, cabbage and onion on a non rainy day.
- In Sub Tropical Zone of Jammu & Kashmir, due to humid weather, there is chances of brown rust in wheat; spray Propaconazole @ 25 ml in 25 litres of water on a non rainy day. In case yellowing of lower leaves is observed, spray 3% urea (900 g urea in 30 litres of water).

Himachal Pradesh:

- As isolated thundersquall / hailstorm would occur over Himachal Pradesh on 23rd March, use hail net for orchard crops to protect from mechanical damage. Also provide mechanical support to fruit crops and vegetables.
- ➢ In Mid-Hills Sub-Humid Zone and Sub-Montane & Low Hills Sub-Tropical Zone of Himachal Pradesh, undertake sowing of ageti bhindi and French bean utilising the realised rainfall.
- Due to increase in humidity, there are chances of occurrence of yellow rust in wheat in Mid-Hills Sub-Humid Zone and Sub-Montane & Low Hills Sub-Tropical Zone of Himachal Pradesh. For control, spray Tilt @ 1 ml per litre of water on a non rainy day.
- Due to high soil moisture, there are chances of stalk rot in cabbage and cauliflower in Mid-Hills Sub-Humid Zone of Himachal Pradesh. Remove the diseased part (leaf/fruit) and spray Bavistin-50 (50g /100 litres of water) or Dithane M-45 (250 g /100 litres of water) on a non rainy day.

Uttarakhand:

- As isolated thundersquall / hailstorm would occur over Uttarakhand on 23rd March, use hail net for orchard crops to protect from mechanical damage. Also provide mechanical support to fruit crops and vegetables.
- In Bhabar and Tarai Zone of Uttarakhand, undertake harvesting of matured mustard and pea on bright sunny day. In Sub-Humid Sub-Tropic Zone of Uttarakhand, due to prevailing high humidity, there is chance of rust infestation in wheat. If brown or yellow strip/patches appear on leaf surface, spray fungicide Propiconazole 25% EC with 500-600 liter water on a non rainy day for effective control.

Punjab, Haryana and Delhi:

- In Western Plain Zone and Undulating Plain Zone of Punjab, undertake sowing of summer moong and summer mash utilising the available moisture.
- In Western Zone of Punjab, undertake transplanting of chilli and sowing of cucurbits namely muskmelon, watermelon, bottle gourd, round gourd, sponge gourd, pumpkin, bitter gourd and other summer vegetables viz. okra, cowpea, cluster bean utilising the available moisture.
- Due to partly cloudy and humid weather, there is chance of incidence of powdery mildew disease in wheat crop in Western Zone of Punjab; spray Karathane 40EC @ 0.05% (100 ml in 200 litres of water) or Tilt 25EC @ 200ml in 200 litres of water per acre.
- As mainly dry weather would prevail, harvest matured mustard crop in Undulating Plain Zone of Punjab.
- As mainly dry weather would prevail in Eastern Zone of Haryana, complete harvesting of sugarcane and undertake planting of spring sugarcane.
- As mainly dry weather would prevail, harvest the matured early sown mustard and early sown gram crop in Western Zone of Haryana.
- As dry weather would prevail in Delhi, undertake harvesting of the matured mustard crop. Present temperature is suitable for sowing of maize, hybrid cluster bean, hybrid cultivar of baby corn and direct sowing of French bean, amaranths, vegetable lobia, okra, bottle gourd, cucumber, ridge gourd, summer radish, green gram and black gram.

Uttar Pradesh:

- In Western Plain Zone of Uttar Pradesh, continue sowing of moong, urad, lobia, bhindi and cucurbits and planting of tomato, brinjal and chilli utilizing the available moisture.
- Due to rise in temperature, there may be attack of mango hopper in mango in Central Plain Zone of Uttar Pradesh; to control, spray Monocrotophose 1ml/litre of water.
- In Western Plain Zone of Uttar Pradesh, due to high humidity, there is chance of attack of yellow rust in wheat. For control, spray Propiconazole 25 EC @ 1 mm per litre of water.

Rajasthan:

- As dry weather is prevailing, apply irrigation in the early sown summer cucurbits like bottle gourd, ridge gourd, pumpkin, bitter gourd, tinda etc. in Semi Arid Eastern Plain Zone of Rajasthan.
- In Sub-Humid and Southern Plain and Aravali Hill Zone of Rajasthan, apply irrigation in late sown wheat at milk stage.
- In Transitional Plain Zone of Inland Drainage and Semi-Arid Eastern Plain Zone, due to rise in temperature there is chance of incidence of thrips in onion and garlic. To control this insect, spray Methyl Demeton 25 EC or Malathion 50 EC @ 1 ml per litre water.

• Animal Husbandry

In Jammu division of Jammu & Kashmir, in Himachal Pradesh and in Uttarakhand, keep cattle indoor during thundersquall/ hail storm period.

CENTRAL INDIA [M.P., CHHATTISGARH]



Wheat

Sugarcane

Chilli

Mustard

- **Realised Rainfall:** Weather remained mainly dry/dry over the region.
- Weather forecast: Mainly dry/dry weather would prevail over the region. Maximum temperatures would rise by 2-4°C at many places over central India.
- Weather Warning: Nil
- Weather Outlook: Weather would be mainly dry over the region.
- Advisories:
 - Madhya Pradesh:
 - As dry weather would prevail, undertake harvesting of matured gram and wheat in Malwa Plateau Zone and Vindhya Plateau Zone, gram, mustard and maize in Jhabua Hill Zone of Madhya Pradesh.
 - In Grid Zone and Bundelkhand Zone of Madhya Pradesh, as mainly dry weather would prevail, harvest matured mustard and potato.
 - In Nimar Valley Zone of Madhya Pradesh, due to the prevailing humid weather, there is possibility of attack of stem borer in maize. Apply Methyl-o-Demeton 25 EC @ 10 ml or Carbaryl 50% W.P. @ 40 g in 10 litres of water.
 - Chhattisgarh:
 - As dry weather is prevailing in Plain Zone of Chhattisgarh, undertake harvesting of matured gram, black gram and linseed.
 - ➤ As dry weather is prevailing, apply irrigation in vegetables and apply mulch or paddy straw in between the rows of summer moong to reduce evapotranspiration rate.
 - In North Hill Zone of Chhattisgarh, as mainly dry weather would prevail, harvest matured wheat, mustard and arhar crop. As temperature conditions are favourable, continue sowing of vegetables like pumpkin, cucumber, sponge-gourd etc. and planting of spring planted sugarcane and continue sowing of summer maize.

EAST INDIA [JHARKHAND, BIHAR, ODISHA, WEST BENGAL & SIKKIM]









Mustard

Sugarcane

Cole crops

Onion

- **Realised Rainfall:** Significant rainfall occurred over East Sikkim and North Sikkim districts of Sikkim. Mainly dry/dry weather prevailed over rest parts of the region.
- Weather forecast: Rain/thundershowers would occur at isolated places over West Bengal & Sikkim during next 48 hours and mainly dry thereafter. Rain/thundershowers would occur at isolated places over Odisha during next 24 hours and mainly dry thereafter. Mainly dry/dry weather would prevail over rest of the region.
- Weather Warning: Nil.
- Weather Outlook: Weather would be mainly dry over the region.
- Advisories:
- Odisha:
 - As mainly dry weather would prevail, continue harvesting of green gram, black gram and arhar in Western Undulating Zone of Odisha.
 - As mainly dry weather would prevail, complete the earthing up in groundnut crop before it starts flowering in North Eastern Plateatu Zone of Odisha.
 - ▶ In North Eastern Coastal Plain Zone of Odisha, as weather would be mainly dry, apply irrigation in summer

rice and maintain 5 cm of water. Apply 50% N as top dressing at 21 days after transplanting.

- In Ganjam district of East and South Eastern Coastal Plain Zone of Odisha, current temperature favours thrips infestation in groundnut. Spray 400 ml Dimethoate or 50 ml Imidachloprid in 200 litres of water per acre for control.
- In North Central Plateau Zone of Odisha, increasing day temperature is conducive for Powdery mildew occurrence on green gram and black gram which has been reported in sporadic patches. Spray wettable Sulphur @ 3g/litre of water for its control. Repeat the spray after 10-15days depending on the severity.

• West Bengal

- In Laterite and Red Soil Zone of West Bengal, as mainly dry weather is prevailing, undertake harvesting of potato and apply irrigation to *boro* rice.
- In New Alluvial Zone of West Bengal, as mainly dry weather is prevailing, undertake harvesting of potato and apply irrigation to *boro* rice and sunflower.
- As mainly dry weather would prevail, apply irrigation to *boro* rice in Old Alluvial Zone of West Bengal. Temperature conditions are favourable for sowing of summer vegetables such as pointed gourd, lady's finger, brinjal, chilli etc.
- In Laterite and Red Soil Zone of West Bengal, prevailing humid weather is congenial for Anthracnose in mango. For control, spray 1 ml Carbendazim per litre of water.
- In Coastal Saline Zone of West Bengal, due to rise in temperature, seedlings of *boro* rice may be attacked by brown spot; spray Carbendazim 50WP @ 1 g/litre of water.
- ➢ In New Alluvial Zone of West Bengal, humid weather is conducive for root rot disease in sunflower and attack of stem borer in *boro* rice at tillering stage. To control root rot apply Brassicol @ 1 g per litre of water and to control stem borer, apply Cartap 4 G @ 25 kg/ha or Phorate 10 G @ 10 kg/ha.
- In Terai Zone of West Bengal, due to increase in temperature there are chances of leaf curling due to mite attack in chilli; spray Dicofol 3 ml/litre of water or Fenazaquin 1-1.5 ml /litre of water.
- Bihar:
- In North West Alluvial Plain Zone of Bihar, as mainly dry weather would prevail, continue harvesting of tobacco, potato and mustard crop and also apply irrigation to sugarcane, wheat and summer vegetable crops. As present temperature condition is favourable, continue sowing of green gram and black gram.
- In North East Alluvial Plain Zone of Bihar, as mainly dry weather would prevail, undertake harvesting of mustard and rapeseed.
- Jharkhand:
- In Western Plateau Zone of Jharkhand, as mainly dry weather would prevail, continue harvesting of potato, sowing of summer moong and vegetables and apply irrigation to wheat crop.
- In Central & North Eastern Plateau Zone of Jharkhand, as mainly dry weather would prevail, continue harvesting of toria, potato, pigeon pea and gram and apply irrigation to wheat crop at milk /dough stage.
- In South Eastern Plateau Zone of Jharkhand, as present temperature condition is favourable, continue sowing of summer moong. As mainly dry weather would prevail, apply irrigation to wheat, vegetables and undertake harvesting of matured chickpea, mustard, pigeon pea and also wheat crop (November sown crop).
- In South Eastern Plateau Zone of Jharkhand, in late sown mustard (at flowering stage), there are chances of more infestation of white rust because of favourable weather condition (high night temperature); spray Bordeaux mixture or Copper Oxychloride @ 0.25 per cent or Blitox 50 @ 0.30 percent solution.

• Animal Husbandry

In North West Alluvial Plain Zone of Bihar, provide lot of clean water to the animals and keep them in the shade.

NORTHEAST INDIA [ARUNACHAL PRADESH, NMM&T, ASSAM, MEGHALAYA]SelectionSelectionSelectionSelectionSelectionSelectionSelectionSelectionSelectionSelectionSelectionSelectionSelectionSelection

- **Realised Rainfall:** Significant rainfall occurred in Tawang district in Arunachal Pradesh. Weather remained mainly dry/dry over rest of the region.
- Weather Forecast: Rain/thundershowers would occur at a few places over Arunachal Pradesh and Assam &

Meghalaya during next 24hours and decrease thereafter. Rain/thundershowers would occur at a few places over Nagaland, Manipur, Mizoram & Tripura.

- **Weather Warning:** Isolated thundersquall/hailstorm would occur over Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura on 21st, 22nd and 23rd March.
- Weather Outlook: Rain/thundershowers would occur at a few places over northeastern states.

• Advisories:

- Assam & Meghalaya, Arunachal Pradesh:
- As isolated thundersquall / hailstorm would occur over Assam, Meghalaya and Arunachal Pradesh on 21st, 22nd and 23rd March, use hail net for orchard crops to protect from mechanical damage. Also provide mechanical support to fruit crops and vegetables.
- In North Bank Plain Zone of Assam, soil and air temperatures are becoming favourable for the attack of stem borer in *boro* rice. If the pests are noticed, apply Darsban or Monocrotophos @ of 2 teaspoon per 5 litre of water in the field.
- In Upper Bramhaputra, Lower Bramhaputra and central Bramhaputra Valley Zone of Assam, as temperature conditions are favourable, continue land preparation and sowing of different summer vegetable like ridge gourd, sponge gourd, ash gourd, pumpkin, okra, bitter gourd etc. and sowing of green gram and black gram.
- Under prevailing weather conditions, continue land preparation for sowing of jute, okra and planting of summer sugarcane in Lower Bramhaputra Valley Zone of Assam.
- Undertake land preparation and sowing of summer green gram and black gram, cucurbits and bhindi in the Hill Zone of Assam utilizing the expected rainfall.
- In Central Bramhaputra Valley Zone of Assam, in the prevailing humid weather conditions there is chance of attack of blast disease in wheat. Spray 2 g Bavistin /litre of water for control. Also under present temperature condition undertake sowing of *capsularis* jute, summer green gram, black gram and vegetables.
- Nagaland, Manipur, Mizoram and Tripura:
- As isolated thundersquall / hailstorm would occur over Nagaland, Manipur, Mizoram and Tripura on 21st, 22nd and 23rd March, use hail net for orchard crops to protect from mechanical damage. Also provide mechanical support to banana, fruit crops and vegetables.
- In Mild Tropical Hill Zone of Nagaland, undertake sowing of summer vegetables like lady's finger, cucurbitaceous crops like gourd, pumpkin, ridge gourd, ash gourd etc. utilizing the expected rainfall.
- In Mild Tropical Plain Zone of Tripura, in the prevailing temperature conditions, there may be chances of attack of yellow stem borer in *Boro* rice. Apply Fipronil @ 2g per litre of water to manage the yellow stem borer attack on a non rainy day.

• Animal Husbandry

- In Assam, Meghalaya, Arunachal Pradesh, Nagaland, Manipur, Mizoram and Tripura, keep cattle indoor during thundersquall/ hail storm period.
- In Assam, Manipur and Tripura, undertake vaccination to control swine fever in pigs, FMD in cattle and ranikhet disease in poultry during this period.

WEST INDIA [GOA, MAHARASHTRA, GUJARAT]









Rice

Groundnut

Cotton

Grape vine

- **Realised Rainfall:** Significant rainfall occurred in Washim district of Vidarbha, mainly dry / dry weather prevailed over rest parts of the Maharashtra State during last week. Dry weather prevailed over Gujarat State during last week.
- Weather Forecast: Mainly dry / dry weather would prevail over the region.
- Weather Warning: Nil.
- Weather Outlook: Weather would be mainly dry over the region.
- Advisories:
 - Maharashtra:
 - As mainly dry weather is expected in Konkan; undertake intercultural operations and fertilizer application in

vegetables, rice, fingermillet and orchards. Apply irrigation to groundnut, orchards, vegetable crops and pulses. Mango is at fruit formation stage, considering the crop canopy, apply 150-200 litres of water per tree at 15 days interval to avoid fruit dropping. Apply irrigation to maintain around 10 cm water level in transplanted rice field before and after 10 days of panicle initiation stage.

- In Madhya Maharashtra, as mainly dry weather would prevail, complete the harvesting of already matured gram, wheat and jowar at the earliest. Apply irrigation in summer groundnut, bajra, sugarcane and vegetable crops. Continue intercultural operations and fertilizer application in sugarcane, summer groundnut and vegetables.
- In Marathwada, as dry weather would prevail, complete the harvesting of already matured gram, wheat and jowar at the earliest. Continue intercultural operations and fertilizer application in orchards (banana, fig, pomegranate, sweet lime, guava), sugarcane, summer groundnut and vegetables. Apply irrigation in summer groundnut, sugarcane and vegetable crops.
- As dry weather is expected in Vidarbha, complete the harvesting of already matured gram, wheat and jowar at the earliest. Maintain water level upto 8 cm in already transplanted rice field in Gondia, Bhandara, Chandrapur and Gadchiroli districtsDue to cloudy and humid weather in Pune region, there may be incidence of oily spot in pomegranate; collect the infested fruits, leaves and branches and destroy them and spray 1 % Bordeaux mixture or Copper Oxychloride @ 25 g per 10 litre water.
- Due to cloudy weather, there may be incidence of thrips in premature mango fruits in South Konkan; spray Spinosad 45 % @ 2.5 ml per 10 liters of water on whole tree.
- Gujarat:
- in Bhal and Coastal Zone, taking advantage of dry weather, undertake picking of matured spikes of castor during early morning hours.
- In view of increasing temperature in North Gujarat Zone, apply first irrigation in groundnut after 18 to 20 DAS and carry out weeding and intercultural operations to conserve soil moisture, provide irrigation at 5 to 9 days interval by making double ring in papaya orchard and also apply irrigation to other horticulture crops (mango, pomegranate, sapota and lemon).
- As mainly dry weather would prevail, carry out harvesting of matured wheat crop, matured spikes of castor in North Gujarat Zone and undertake harvesting of mustard in North West Zone and Middle Gujarat Zone.
- As mainly dry weather prevailed and mainly dry/dry weather is expected, apply irrigation in vegetables and fruit crops in South Gujarat Zone. Dry weather conditions are favourable for dropping of unripe fruits of Mango. Spray NAA @ 2 g or Gybrelic acid 1 g + 2 kgs urea /100 liters of water solution.
- Due to increase in temperature, there are chances of outbreak of leaf miner in groundnut in South Gujarat Heavy Rainfall Zone. Spray DDVP 76 EC @ 5 ml/ 10 litre water for control.

SOUTH INDIA [TN, AP, KERALA, KARNATAKA, LAKSHADWEEP, ANDAMAN & NICOBAR ISLANDS]









Rice

Sugarcane(cane maturity) Onion (bulb development)

Sucking pest on Groundnut

- **Realised Rainfall:** No significant rainfall occurred over the region during last week.
- Weather Forecast: Rain/thundershowers would occur at isolated places over Tamilnadu and Lakshadweep during next 24 hours and mainly dry thereafter. Rain/thundershowers would occur at isolated places over Kerala. Mainly dry/dry weather would prevail over rest of the region.
- Weather Warning: Nil.
- Weather Outlook: Rain/thundershowers would occur at isolated places over extreme south peninsular India.
- Advisory:
 - Karnataka:
 - As mainly dry weather would prevail, continue harvesting of chickpea, wheat/Diccocum wheat and *rabi* sorghum in the North Dry Zone of Karnataka.
 - In the North Transition Zone of Karnataka, continue harvesting of crops like Bengal gram, wheat and rabi sorghum.
 - Apply irrigation in arecanut, coconut and black pepper gardens either by furrow or drip irrigation, as there is increase in temperature and no rainfall in the Central Dry Zone of Karnataka and apply irrigation to groundnut

which is at flowering stage.

Andhra Pradesh

- ➤ In Telangana, prevailing humid weather conditions are congenial for incidence of Tursicum leaf blight and stalk rot in maize. Spray Mancozeb @ 2 g per litre of water to manage Tursicum leaf blight in maize and drench soil with Carbendazim @ 1 g or Copper Oxychloride @ 3 g per litre of water to manage stalk rot.
- In the Scarce Rainfall Zone of Andhra Pradesh, rice crops affected with hail storms during first week of March may be sprayed with booster dose of urea and if the crop is in the grain formation stage, 2nd dose of urea may be applied to prevent damage.

Tamil Nadu:

- As mainly dry weather would prevail, continue harvesting of matured samba and thaladi rice and provide irrigation to sesame, sugarcane, banana, groundnut and summer cotton in the Cauvery Delta Zone of Tamil Nadu.
- In the Western Zone of Tamil Nadu, as the wind speed is expected to be above 8 knots, undertake propping up in wind susceptible crops like 5 months and above old banana and eight months old sugarcane to avoid lodging. Also prevailing continuous dry weather is favourable for increase in sucking pest in tomato crop. Hence monitor for the pest load and apply fish oil rosin soap 25 g/litre of water.
- Kerala:
- Due to high temperature, there are chances of attack of white fly, hopper and aphid in vegetables in the Central Zone of Kerala. Apply 20 g Verticillium per one litre of water. 5 ml sunflower oil or castor oil along with 10 g of jaggery can be added to the spray solution to make the spray more effective.
- Increased humidity may accelerate the incidence of fungal diseases in cucurbitaceous vegetables in the Southern Zone of Kerala. Apply Indofil M 45 4g/ litre of water to manage fungal diseases. In cow pea, apply Copper oxy Chloride 4g / litre of water as a prophylactic measure to manage *Anthracnose*.
- In the Southern Zone of Kerala, irrigate banana plants, as scarcity of water will lead to the formation of weak banana bunches. Also apply mulching in banana basins to conserve moisture.
- Animal Husbandry:
- In the North Eastern Zone of Tamil Nadu, dairy animals must be protected from high temperature by sprinkling water on the body three times daily during hot part of the day. Vaccinate calves above 3 months and sheep and goat above 2 months against Foot and Mouth disease.
- Avoid grazing of cattle during afternoon hours in the Problem Area Zone of Kerala to protect them from heat stroke. Provide clean water for drinking to the animals.

Annexure I

Week by week Rainfall Distribution

| | 05.0 | 3.14 | 12.03.14 | | 19.03.14 | |
|---------------------|----------------|-------------|----------------|--------|----------------|--------|
| State/Districts | Actual (mm) | % dep. | Actual (mm) | % dep. | Actual (mm) | % dep. |
| Arunachal Pradesh | | | | | | |
| Anjaw | ** | ** | ** | ** | ** | ** |
| Changlang | 2.0 | -96 | 0.0 | -100 | 0.7 | -99 |
| Dibang Valley | 47.0 | 4 | 4.0 | -94 | 7.0 | -92 |
| East Kameng | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| East Siang | 22.4 | 14 | 0.2 | -99 | 0.0 | -100 |
| Kurung Kumey | ** | ** | ** | ** | ** | ** |
| Lohit | 1.3 | -95 | 0.0 | -100 | 5.5 | -88 |
| Lower Dibang Valley | 10.4 | -77 | 0.0 | -100 | 0.0 | -100 |
| Lower Subansari | ** | ** | ** | ** | ** | ** |
| Papumpara | 0.0 | -100 | 0.0 | -100 | 2.0 | -95 |
| Tawang | 0.0 | -100 | 9.0 | -22 | 37.0 | 157 |
| Tirap | 0.5 | -97 | 0.2 | -99 | 0.2 | -99 |
| Upper Siang | 103.2 | 58 | 33.5 | -62 | 13.4 | -84 |
| Upper Subansari | 28.0 | 133 | 0.0 | -100 | 0.0 | -100 |
| West Kameng | 0.2 | -97 | 0.0 | -100 | 0.0 | -100 |
| West Siang | 22.5 | 33 | 1.5 | -93 | 5.0 | -73 |
| Assam | | | | | 0.00 | |
| Baksa | 1.0 | -80 | 0.0 | -100 | 0.0 | -100 |
| Barpeta | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Bongaigaon | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Cachar | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Chirang | 0.5 | -100 -90 | 0.0 | -100 | 0.0 | -100 |
| Darrang | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Dhemaji | 10.0 | -100 | 2.0 | -100 | 1.0 | -100 |
| Dhubri | | | | | | |
| | 0.6 | -90 | 0.0 | -100 | 0.0 | -100 |
| Dibrugarh | 0.6 | -96 | 4.1 | -78 | 1.0 | -97 |
| Goalpara | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Golghat | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Hailakandi | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Jorhat | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kamrup(Rural) | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kamrup(Metro) | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Karbi Anglong | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Karimganj | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kokrajhar | 0.3 | -90 | 0.0 | -100 | 0.0 | -100 |
| Lakhimpur | 0.0 | -100 | 0.0 | -100 | 1.0 | -95 |
| Morigaon | 1.8 | -50 | 0.0 | -100 | 0.0 | -100 |
| N.C.Hills | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Nowgong | 1.3 | -70 | 0.0 | -100 | 0.0 | -100 |
| Nalbari | 0.5 | -90 | 0.0 | -100 | 0.0 | -100 |
| Sonitpur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Sibsagar | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |

| Tinsukia | 3.1 | -80 | 1.3 | -91 | 8.4 | -76 |
|------------------|------|------|------|------|------|------|
| Udalgiri | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Meghalaya | | | | | | |
| East Garo Hills | 2.8 | -85 | 0.0 | -100 | 0.0 | -100 |
| East Khasi Hills | 0.3 | -97 | 2.4 | -92 | 1.1 | -95 |
| Jaintia Hills | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Ribhoi | 0.7 | -77 | 0.0 | -100 | 0.3 | -97 |
| South Garo Hills | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| West Garo Hills | 0.4 | -96 | 0.0 | -100 | 0.0 | -100 |
| West Khasi Hills | 2.0 | -67 | 0.0 | -100 | 0.0 | -100 |
| Mizoram | | | | | | |
| Aizwal | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Champhai | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kolasib | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Lawngtlai | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Lunglei | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Mamit | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Saiha | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Serchhip | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Manipur | | | | | | |
| Bishnupur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Chandel | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Churachandpur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Imphal east | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Imphal west | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Senapati | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Tamenglong | ** | ** | ** | ** | ** | ** |
| Thoubal | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Ukhrul | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Nagaland | | | | | | |
| Dimapur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kephire | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kohima | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Longleng | ** | ** | ** | ** | ** | ** |
| Mokokchung | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Mon | ** | ** | ** | ** | ** | ** |
| Paren | ** | ** | ** | ** | ** | ** |
| Phek | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Tuensang | ** | ** | ** | ** | ** | ** |
| Wokha | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Zunheboto | ** | ** | ** | ** | ** | ** |
| Tripura | | | | | | |
| Dhalai | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| North tripura | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| South tripura | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| West tripura | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Himachal Pradesh | | | | | | |
| Bilaspur | 41.1 | 169 | 12.9 | 16 | 13.1 | 10 |
| Chamba | 50.7 | 9 | 64.4 | 165 | 50.3 | 103 |

| Hamirpur | 61.5 | 246 | 16.0 | 37 | 17.4 | 40 |
|------------------|------|------|------|------|------|------|
| Kangra | 25.4 | 25 | 23.8 | 44 | 18.7 | -17 |
| Kinnaur | 30.1 | 31 | 29.3 | 25 | 29.0 | 8 |
| Kullu | 30.0 | 12 | 40.2 | 30 | 46.8 | 26 |
| Lahaul and Spiti | 12.6 | -67 | 52.4 | 40 | 18.9 | -59 |
| Mandi | 32.3 | 84 | 23.5 | 36 | 28.1 | 27 |
| Shimla | 29.8 | 73 | 35.6 | 110 | 19.5 | -5 |
| Sirmaur | 33.8 | 213 | 20.5 | 138 | 20.9 | 105 |
| Solan | 51.1 | 195 | 30.0 | 120 | 21.7 | 54 |
| Una | 26.3 | 158 | 19.9 | 134 | 13.6 | 54 |
| Punjab | | | | | | |
| Amritsar | 0.8 | -89 | 7.3 | 6 | 7.8 | -13 |
| Barnala | 4.5 | 61 | 0.0 | -100 | 2.0 | -35 |
| Bhatinda | 13.6 | 312 | 2.5 | -26 | 3.0 | 0 |
| Faridkot | 9.0 | 246 | 1.0 | -57 | 0.0 | -100 |
| Fatehgarh Saheb | 0.0 | -100 | 2.0 | -53 | 0.0 | -100 |
| Ferozpur | 3.7 | -1 | 2.0 | -49 | 5.0 | 0 |
| Gurdaspur | 7.6 | -50 | 34.1 | 207 | 8.2 | -37 |
| Hoshiarpur | 2.9 | -71 | 5.9 | -37 | 11.0 | 18 |
| Jalandhar | 1.0 | -88 | 4.9 | -25 | 6.3 | -5 |
| Kapurthala | 0.2 | -97 | 15.3 | 163 | 6.0 | 2 |
| Ludhiana | 7.4 | -10 | 5.9 | 11 | 7.5 | 67 |
| Mansa | 6.2 | 77 | 11.0 | 400 | 0.0 | -100 |
| Moga | 1.5 | -32 | 2.8 | -26 | 10.5 | 184 |
| Muktesar | 1.0 | -69 | 1.0 | -63 | 0.0 | -100 |
| Nawashahar | 20.4 | 124 | 9.1 | 5 | 11.0 | 72 |
| Patiala | 10.8 | 69 | 4.4 | -20 | 9.7 | 214 |
| Ropar | 23.2 | 183 | 5.2 | -68 | 9.7 | -20 |
| Sangrur | 20.6 | 338 | 2.9 | 1 | 1.0 | -72 |
| Mohali | 27.0 | 238 | 11.0 | 45 | 6.5 | 12 |
| TarnTaran | 0.0 | -100 | 3.6 | -22 | 4.6 | 0 |
| Haryana | | | | | | |
| Ambala | 16.1 | 102 | 10.0 | 112 | 6.3 | -23 |
| Bhiwani | 7.9 | 242 | 4.6 | 109 | 0.7 | -33 |
| Chandigarh | 40.8 | 334 | 17.1 | 155 | 13.8 | 79 |
| Faridabad | 8.8 | 99 | 43.9 | 1272 | 0.0 | -100 |
| Fatehabad | 0.0 | -100 | 1.8 | 2 | 0.7 | -72 |
| Gurgaon | 4.0 | 18 | 33.4 | 1988 | 0.0 | -100 |
| Hissar | 1.6 | -41 | 9.2 | 385 | 1.4 | 24 |
| Jhajar | 9.7 | 137 | 4.4 | 77 | 0.0 | -100 |
| Jind | 15.3 | 89 | 17.0 | 254 | 1.0 | -63 |
| Katihal | 1.0 | -72 | 6.2 | 128 | 1.6 | -36 |
| Karnal | 27.7 | 530 | 13.5 | 255 | 1.5 | -65 |
| Kurukshetra | 7.5 | 53 | 4.3 | -11 | 0.0 | -100 |
| Mahendragarh | 2.6 | -24 | 8.1 | 238 | 0.0 | -100 |
| Mewat | 0.0 | -100 | 15.3 | 800 | 0.0 | -100 |
| Palwal | 5.0 | 61 | 11.0 | 633 | 0.0 | -100 |
| Panchkkula | 23.5 | 147 | 11.5 | 135 | 4.0 | 11 |
| Panipat | 21.0 | 338 | 10.0 | 319 | 1.0 | -47 |

| Rewari | 0.0 | -100 | 36.4 | 2500 | 0.6 | -50 |
|---------------------|------|------|-------|------|-------|------|
| Rohtak | 4.0 | -41 | 3.0 | -32 | 0.0 | -100 |
| Sirsa | 0.3 | -85 | 0.0 | -100 | 0.0 | -100 |
| Sonepat | 17.6 | 251 | 7.7 | 78 | 0.4 | -84 |
| Yamunanagar | 19.7 | 134 | 18.2 | 142 | 5.8 | -38 |
| Delhi | | | | | | |
| Central Delhi | 28.0 | 409 | 6.0 | 50 | 2.0 | -20 |
| East Delhi | 26.0 | 373 | 9.0 | 125 | 0.0 | -100 |
| New Delhi | 20.2 | 267 | 18.7 | 366 | 0.2 | -92 |
| North Delhi | 17.7 | 222 | 6.8 | 70 | 1.5 | -40 |
| North East Delhi | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| North West Delhi | 23.5 | 327 | 1.0 | -75 | 0.0 | -100 |
| South Delhi | 7.9 | 44 | 26.8 | 570 | 1.0 | -60 |
| South West Delhi | 24.4 | 344 | 17.0 | 325 | 0.7 | -72 |
| West Delhi | 15.0 | 173 | 3.0 | -25 | 6.0 | 140 |
| Jammu & Kashmir | | | | | | |
| Anantnag | 9.4 | -71 | 199.7 | 419 | 27.5 | -24 |
| Badgam | 7.7 | -60 | 100.8 | 391 | 53.0 | 139 |
| Bandipore | ** | ** | ** | ** | ** | ** |
| Baramula | 17.0 | -62 | 65.5 | 40 | 33.7 | -58 |
| Doda | 29.6 | -44 | 139.6 | 169 | 49.2 | 3 |
| Ganderwal | 21.0 | 9 | 62.7 | 167 | 63.6 | 162 |
| Jammu | 4.2 | -75 | 62.1 | 300 | 7.3 | -38 |
| Kargil | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kathua | 11.2 | 138 | 44.8 | 95 | 12.2 | 3 |
| Kistwar | ** | ** | ** | ** | ** | ** |
| Kulgam | 12.9 | -45 | 154.8 | 302 | 26.5 | -27 |
| Kupwara | 19.4 | -50 | 119.9 | 118 | 101.9 | 95 |
| Ladakh(Leh) | 0.3 | -73 | 0.0 | -100 | 0.1 | -92 |
| Poonch | 0.0 | -100 | 3.0 | -95 | 0.0 | -100 |
| Pulwama | 5.5 | -62 | 117.9 | 431 | 46.4 | 112 |
| Rajouri | 24.8 | 179 | 94.3 | 816 | 27.2 | 213 |
| Ramban | 30.9 | -38 | 146.5 | 183 | 39.3 | -18 |
| Reasi | 17.6 | -13 | 133.5 | 313 | 22.2 | -25 |
| Samba | 1.3 | -92 | 42.7 | 175 | 9.8 | -16 |
| Shopian | 5.0 | -76 | 39.0 | 76 | 59.0 | 169 |
| Srinagar | 4.7 | -76 | 140.0 | 496 | 26.9 | 11 |
| Udhampur | 12.2 | -64 | 142.0 | 340 | 34.0 | 15 |
| East Madhya Pradesh | | | | | | |
| Anuppur | 40.3 | 423 | 0.0 | -100 | 10.2 | 293 |
| Balaghat | 34.3 | 909 | 8.0 | 151 | 0.8 | -65 |
| Chhatarpur | 51.8 | 2778 | 5.2 | 162 | 0.0 | -100 |
| Chindwara | 11.7 | 125 | 1.6 | -64 | 5.7 | 49 |
| Damoh | 35.2 | 1114 | 1.0 | -67 | 0.0 | -100 |
| Dindori | 11.5 | 62 | 1.0 | -76 | 0.0 | -100 |
| Jabalpur | 50.1 | 1374 | 9.2 | 475 | 0.0 | -100 |
| Katni | 46.4 | 1189 | 2.0 | 186 | 0.0 | -100 |
| Mandla | 17.5 | 178 | 2.6 | -48 | 5.5 | 30 |
| Narsingpur | 32.2 | 939 | 10.0 | 1329 | 0.0 | -100 |

| Panna | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
|---------------------|------|------|------|-------|------|------|
| Rewa | 43.0 | 1493 | 1.6 | -16 | 1.4 | -18 |
| Sagar | 39.1 | 1348 | 12.2 | 455 | 0.0 | -100 |
| Satna | 28.5 | 996 | 4.4 | 120 | 0.0 | -100 |
| Seoni | 7.0 | 27 | 11.1 | 108 | 10.4 | 88 |
| Shahdol | 66.0 | 1304 | 0.0 | -100 | 10.4 | 593 |
| Sidhi | 69.2 | 2463 | 0.0 | -100 | 3.6 | 64 |
| Singrauli | 43.6 | 1182 | 0.0 | -100 | 8.0 | 471 |
| Tikamgarh | 26.0 | 1900 | 11.0 | 1275 | 0.0 | -100 |
| Umaria | 42.7 | 600 | 29.8 | 705 | 14.4 | 380 |
| West Madhya Pradesh | | | | | | |
| Alirajpur | 0.0 | -100 | 38.3 | 38233 | 0.0 | -100 |
| Asoknagar | 52.8 | 8700 | 1.5 | 67 | 0.0 | -100 |
| Badwani | 3.3 | 725 | 0.0 | -100 | 0.0 | -100 |
| Betul | 10.0 | 213 | 19.3 | 1187 | 0.0 | -100 |
| Bhind | 15.4 | 756 | 0.0 | -100 | 0.0 | -100 |
| Bhopal | 7.0 | 367 | 1.8 | 150 | 0.0 | -100 |
| Burhanpur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Datia | 9.2 | 667 | 4.2 | 500 | 0.0 | -100 |
| Dewas | 0.3 | -67 | 0.0 | -100 | 0.0 | -100 |
| Dhar | 8.5 | 4150 | 0.0 | -100 | 0.0 | -100 |
| Guna | 20.2 | 1583 | 8.9 | 536 | 0.0 | -100 |
| Gwalior | 36.8 | 2065 | 1.2 | -25 | 0.0 | -100 |
| Harda | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Hosangabad | 17.0 | 507 | 5.9 | 247 | 0.0 | -100 |
| Indore | 2.4 | 700 | 0.0 | -100 | 0.0 | -100 |
| Jhabua | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Khandwa | 0.7 | -65 | 7.8 | 767 | 7.9 | 621 |
| Khargone | 0.4 | -33 | 1.7 | 767 | 1.1 | 278 |
| Mandsaur | 12.2 | 1933 | 0.0 | -100 | 0.0 | -100 |
| Morena | 15.3 | 467 | 0.0 | -100 | 0.0 | -100 |
| Neemuch | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Raisen | 28.0 | 1374 | 3.6 | 355 | 0.0 | -100 |
| Rajgarh | 17.9 | 1527 | 1.0 | 67 | 0.0 | -100 |
| Ratlam | 2.0 | 300 | 2.6 | 2500 | 0.0 | -100 |
| Sehore | 7.8 | 388 | 5.6 | 1767 | 0.0 | -100 |
| Shajapur | 5.8 | 480 | 0.0 | -100 | 0.0 | -100 |
| Sheopur Kalani | 4.0 | 344 | 0.0 | -100 | 0.0 | -100 |
| Shivpuri | 8.5 | 431 | 4.0 | 300 | 0.0 | -100 |
| Ujjain | 1.2 | 20 | 1.2 | 200 | 0.0 | -100 |
| Vidisha | 38.7 | 3418 | 0.0 | -100 | 0.0 | -100 |
| Chhattisgarh | | | | | | |
| Bastar | 3.4 | -3 | 27.4 | 996 | 0.1 | -97 |
| Bijapur | 19.3 | 3760 | 38.6 | 3409 | 0.0 | -100 |
| Bilaspur | 56.9 | 898 | 7.0 | 49 | 16.3 | 339 |
| Dantewara | 4.7 | 488 | 5.1 | 1611 | 0.0 | -100 |
| Dhamtari | 19.4 | 619 | 0.8 | 14 | 0.0 | -100 |
| Durg | 45.4 | 1095 | 0.0 | -100 | 2.5 | 47 |
| Janjgir | 58.1 | 1903 | 0.0 | -100 | 0.0 | -100 |

| Jashpurnagar | 36.0 | 471 | 0.0 | -100 | 1.0 | -44 |
|---------------------|------|------|-----|------|-----|------|
| Kanker | 0.0 | -100 | ** | ** | 0.0 | -100 |
| Korba | 40.5 | 553 | 0.0 | -100 | 8.5 | 400 |
| Koriya | 40.8 | 3609 | 0.0 | -100 | 9.0 | 275 |
| Kawardha | 17.0 | 315 | 0.0 | -100 | ** | ** |
| Mahasumund | 1.0 | -64 | 0.0 | -100 | ** | ** |
| Narayanpur | 0.2 | -95 | ** | ** | ** | ** |
| Raigarh | 0.0 | -100 | ** | ** | ** | ** |
| Raipur | 52.3 | 1276 | 1.4 | -28 | 0.0 | -100 |
| Rajandgaon | 19.0 | 476 | 0.0 | -100 | 0.0 | -100 |
| Surguja | 42.2 | 955 | 0.2 | -95 | 3.8 | 35 |
| East Uttar Pradesh | | | | | | |
| Allahabad | 45.3 | 1518 | 0.0 | -99 | 3.0 | 275 |
| Ambedkar Nagar | 18.0 | 592 | 0.0 | -100 | 0.0 | -100 |
| Azamgarh | 17.5 | 400 | 0.0 | -100 | 0.0 | -100 |
| Bahraich | 0.3 | -90 | 1.4 | -70 | 0.0 | -100 |
| Ballia | 17.7 | 1262 | 0.0 | -100 | 0.0 | -100 |
| Balrampur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Banda | 66.5 | 2791 | 0.0 | -100 | 0.0 | -100 |
| Barabanki | 21.9 | 852 | 0.0 | -100 | 2.6 | 338 |
| Basti | 4.5 | 87 | 0.0 | -100 | 0.0 | -100 |
| Chandauli | 27.2 | 988 | 0.0 | -100 | 1.2 | -74 |
| Deoria | 8.8 | 418 | 0.0 | -100 | 0.0 | -100 |
| Faizabad | 5.5 | 129 | 0.0 | -100 | 0.0 | -100 |
| Farrukhabad | 17.5 | 629 | 3.2 | 28 | 0.0 | -100 |
| Fatehpur | 32.2 | 1510 | 0.0 | -100 | 0.0 | -100 |
| Gazipur | 47.4 | 2157 | 0.0 | -100 | 0.0 | -100 |
| Gonda | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Gorakhpur | 16.2 | 604 | 0.0 | -100 | 0.0 | -100 |
| Hardoi | 11.3 | 253 | 5.0 | 85 | 0.0 | -100 |
| Jaunpur | 33.7 | 1432 | 0.0 | -100 | 0.0 | -100 |
| Kannauj | 12.0 | 344 | 1.0 | -55 | 0.0 | -100 |
| Kanpur City | 13.3 | 600 | 0.0 | -100 | 0.0 | -100 |
| Kanpur Dehat | 10.0 | 456 | 0.6 | -14 | 0.0 | -100 |
| Kaushambi | 48.6 | 2013 | 0.0 | -100 | 1.1 | -5 |
| Kheri | 11.0 | 224 | 1.2 | -63 | 0.0 | -100 |
| Kushi nagar | 3.0 | 30 | 0.0 | -100 | 0.0 | -100 |
| Lucknow | 5.5 | 162 | 0.0 | -100 | 0.0 | -100 |
| Maharajganj | 1.3 | -35 | 0.0 | -100 | 0.0 | -100 |
| Mau | 20.8 | 700 | 0.0 | -100 | 0.0 | -100 |
| Mirzapur | 25.0 | 468 | 0.0 | -100 | 0.0 | -100 |
| Pratapgarh | 62.7 | 2312 | 0.0 | -100 | 0.0 | -100 |
| RaiBarelly | 7.9 | 427 | 0.0 | -100 | 0.0 | -100 |
| Sahuji Maharajnagar | 28.8 | 1340 | 0.0 | -100 | 0.0 | -100 |
| Sant Kabirnnagar | 6.5 | 242 | 0.0 | -100 | 0.0 | -100 |
| Sant Ravidas Nagar | 15.0 | 500 | 0.0 | -100 | 6.0 | 30 |
| Shrawasti | ** | ** | ** | ** | 0.0 | -100 |
| Sidharthnagar | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Sitapur | 15.8 | 285 | 3.4 | 11 | 0.0 | -100 |

| Sonbhadra | 35.7 | 1131 | 8.8 | 132 | 5.5 | 358 |
|--------------------|------|------|------|------|------|------|
| Sultanpur | 16.3 | 676 | 0.0 | -100 | 0.0 | -100 |
| Unnao | 16.0 | 662 | 0.0 | -100 | 0.0 | -100 |
| Varanasi | 25.9 | 685 | 0.0 | -100 | 1.2 | -25 |
| West Uttar Pradesh | | | | | | |
| Agra | 11.2 | 387 | 6.1 | 111 | 0.0 | -100 |
| Aligarh | 15.9 | 563 | 3.4 | 13 | 0.0 | -100 |
| Auraiya | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Badaun | 26.8 | 688 | 1.6 | -63 | 0.0 | -100 |
| Baghpat | 30.6 | 955 | 22.5 | 562 | 0.8 | -60 |
| Bareilly | 37.3 | 908 | 4.2 | 24 | 0.0 | -100 |
| Bijnor | 33.7 | 316 | 7.8 | 34 | 2.0 | -51 |
| Bulandsahar | 15.3 | 394 | 15.2 | 253 | 0.0 | -100 |
| Etah | 16.3 | 394 | 1.0 | -69 | 0.0 | -100 |
| Etawah | 1.0 | -57 | 0.0 | -100 | 0.0 | -100 |
| Firozabad | 2.7 | 80 | 2.8 | 20 | 0.0 | -100 |
| GBNagar | 27.0 | 391 | 13.0 | 713 | 0.0 | -100 |
| Ghaziabad | 29.7 | 440 | 6.7 | 205 | 0.0 | -100 |
| Hamirpur | 16.7 | 626 | 1.1 | 7 | 0.0 | -100 |
| Jalaun | 4.7 | 236 | 3.0 | 173 | 0.0 | -100 |
| Jhansi | 25.7 | 1613 | 4.9 | 348 | 0.0 | -100 |
| Jotiba Phule Nagar | 68.0 | 1559 | 16.0 | 400 | 0.0 | -100 |
| Kanshiramnagar | 21.5 | 727 | 1.0 | -68 | 0.0 | -100 |
| Lalitpur | 48.0 | 2900 | 4.5 | 150 | 0.0 | -100 |
| Mahamaya Nagar | 18.5 | 671 | 3.0 | -14 | 0.0 | -100 |
| Mahoba | 42.6 | 2030 | 1.0 | -17 | 0.0 | -100 |
| Mainpuri | 11.5 | 448 | 2.1 | -21 | 0.0 | -100 |
| Mathura | 17.0 | 486 | 7.0 | 126 | 0.0 | -100 |
| Meerut | 34.3 | 453 | 9.1 | 194 | 3.0 | 3 |
| Moradabad | 63.5 | 1280 | 16.6 | 452 | 0.0 | -100 |
| Muzzaffarnagar | 17.8 | 394 | 8.2 | 228 | 1.0 | -63 |
| Pilibhit | 20.6 | 506 | 0.5 | -86 | 0.0 | -100 |
| Rampur | 41.6 | 420 | 7.7 | 92 | 0.0 | -100 |
| Saharanpur | 30.3 | 719 | 24.3 | 466 | 0.3 | -94 |
| Shahjahanpur | 13.2 | 326 | 0.3 | -95 | 0.0 | -100 |
| Uttarakhand | | | | | | |
| Almora | 53.7 | 310 | 25.1 | 122 | 2.4 | -64 |
| Bageshwar | 52.4 | 300 | 23.9 | 112 | 0.0 | -100 |
| Chamoli | 33.9 | 71 | 38.2 | 111 | 15.7 | -19 |
| Champawat | 73.5 | 682 | 11.0 | 45 | 2.0 | -67 |
| Dehradun | 66.8 | 549 | 18.8 | 63 | 20.4 | 71 |
| Garhwal Pauri | 20.8 | 151 | 12.7 | 81 | 7.4 | -3 |
| Garhwal Tehri | 36.3 | 134 | 27.0 | 87 | 17.8 | 73 |
| Haridwar | 38.0 | 249 | 17.0 | 136 | 5.0 | -2 |
| Nainital | 49.3 | 408 | 17.8 | 134 | 2.7 | -56 |
| Pithorgarh | 55.8 | 329 | 20.4 | 10 | 15.7 | 57 |
| Rudraprayag | 23.9 | 19 | 31.9 | 47 | 20.9 | 10 |
| Udham Sing Nagar | 75.9 | 2517 | 18.4 | 458 | 0.0 | -100 |
| Uttarkashi | 33.5 | 99 | 41.7 | 109 | 22.5 | 7 |

| Bihar | | | | | | |
|----------------|------|------|-----|------|-----|------|
| Araria | 1.0 | -47 | 0.0 | -100 | 0.0 | -100 |
| Arwal | 14.2 | 1191 | 0.0 | -100 | 0.0 | -100 |
| Aurangabad | 28.5 | 956 | 0.0 | -100 | 0.0 | -100 |
| Banka | 9.1 | 355 | 0.0 | -100 | 0.0 | -100 |
| Begusarai | 1.3 | -59 | 0.0 | -100 | 0.0 | -100 |
| Bhabua | 21.5 | 532 | 0.0 | -100 | 0.0 | -100 |
| Bhagalpur | 8.3 | 277 | 0.0 | -100 | 0.0 | -100 |
| Bhojpur | 22.9 | 1105 | 0.0 | -100 | 0.0 | -100 |
| Buxar | 21.2 | 715 | 0.0 | -100 | 0.0 | -100 |
| Darbhanga | 6.2 | 226 | 0.0 | -100 | 0.0 | -100 |
| East Champaran | 10.9 | 990 | 0.0 | -100 | 0.0 | -100 |
| Gaya | 15.2 | 744 | 0.0 | -100 | 0.0 | -100 |
| Gopalganj | 12.6 | 800 | 0.0 | -100 | 0.0 | -100 |
| Jahanabad | 17.0 | 1208 | 0.0 | -100 | 0.0 | -100 |
| Jamui | 13.3 | 478 | 0.0 | -100 | 0.0 | -100 |
| Kathihar | 5.3 | 212 | 0.0 | -100 | 0.0 | -100 |
| Khagadia | 1.4 | 133 | 0.0 | -100 | 0.0 | -100 |
| Kishanganj | 0.5 | -81 | 0.0 | -100 | 0.0 | -100 |
| Lakhisarai | 9.3 | 221 | 0.0 | -100 | 0.0 | -100 |
| Madhepura | 2.7 | 80 | 0.0 | -100 | 0.0 | -100 |
| Madhubani | 4.4 | 144 | 0.0 | -100 | 0.0 | -100 |
| Monghyar | 41.4 | 1328 | 0.0 | -100 | 0.0 | -100 |
| Muzaffarpur | 10.3 | 636 | 0.0 | -100 | 0.0 | -100 |
| Nalanda | 21.7 | 486 | 0.0 | -100 | 0.0 | -100 |
| Nawada | 21.7 | 696 | 0.0 | -100 | 0.0 | -100 |
| Patna | 36.0 | 1700 | 0.0 | -100 | 0.0 | -100 |
| | 9.7 | 506 | 0.0 | -100 | 0.0 | -100 |
| Purnea | | | | | | |
| Rohtas | 54.2 | 1104 | 0.0 | -100 | 0.0 | -100 |
| Saharsha | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Samstipur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Saran | 7.7 | 267 | 0.0 | -100 | 0.0 | -100 |
| Sheikpura | 14.5 | 383 | 0.0 | -100 | 0.0 | -100 |
| Sheohar | 2.0 | 122 | 0.0 | -100 | 0.0 | -100 |
| Sitamarhi | 4.5 | 400 | 0.0 | -100 | 0.0 | -100 |
| Siwan | 14.0 | 483 | 0.0 | -100 | 0.0 | -100 |
| Supaul | 3.1 | 82 | 0.0 | -100 | 0.0 | -100 |
| Vaishali | 5.6 | 331 | 0.0 | -100 | 0.0 | -100 |
| West Champaran | 10.0 | 456 | 0.0 | -100 | 0.0 | -100 |
| Jharkhand | | 1000 | | 100 | | 100 |
| Bokaro | 25.0 | 1090 | 0.0 | -100 | 0.0 | -100 |
| Chatra | 8.1 | 326 | 0.0 | -100 | 0.0 | -100 |
| Deoghar | 15.2 | 1069 | 0.0 | -100 | 0.0 | -100 |
| Dhanbad | 15.8 | 285 | 0.0 | -100 | 0.0 | -100 |
| Dumka | ** | ** | 0.0 | -100 | 0.0 | -100 |
| East Singbhum | 48.1 | 791 | 0.0 | -100 | 1.1 | -75 |
| Garhwa | 25.0 | 1463 | 0.0 | -100 | 0.0 | -100 |
| Giridih | 15.8 | 464 | 0.0 | -100 | 0.4 | -90 |
| Godda | 6.3 | 186 | 0.0 | -100 | 0.0 | -100 |

| Gumla | ** | ** | ** | ** | ** | ** |
|-------------------|------|--------------|------|--------------|------|--------------|
| Hazaribagh | 19.1 | 416 | 0.0 | -100 | 0.5 | -79 |
| Jamtara | 17.6 | 780 | 0.0 | -100 | ** | ** |
| Khunti | 15.5 | 128 | 0.0 | -100 | 4.0 | -33 |
| Koderrna | 8.0 | 344 | 0.0 | -100 | 0.0 | -100 |
| Latehar | 19.1 | 366 | 0.0 | -100 | 18.7 | 484 |
| Lohardagga | 37.4 | 648 | 0.0 | -100 | 0.0 | -100 |
| Pakur | 7.8 | 202 | 0.0 | -100 | 0.0 | -100 |
| Palamau | 14.2 | 468 | 0.0 | -100 | 1.6 | 13 |
| Ramgarh | 35.0 | 821 | 0.0 | -100 | 0.0 | -100 |
| Ranchi | 35.0 | 430 | 0.0 | -100 | 2.8 | -21 |
| Sahebganj | 5.4 | 575 | 0.0 | -100 | 0.0 | -100 |
| Saraikela | ** | ** | 0.0 | -100 | 1.3 | -72 |
| Simdega | ** | ** | 0.0 | -100 | 3.2 | 146 |
| West Singbhum | 29.2 | 295 | 0.0 | -100 | 2.7 | -12 |
| East Rajasthan | | | | | | |
| Ajmer | 3.9 | 875 | 0.4 | 118 | 0.0 | -100 |
| Alwar | 12.1 | 348 | 7.4 | 336 | 0.0 | -100 |
| Banswara | 1.9 | 850 | 0.0 | -100 | 0.0 | -100 |
| Baran | 23.6 | 4620 | 0.0 | -100 | 0.0 | -100 |
| Bharatpur | 16.6 | 538 | 1.7 | 13 | 0.0 | -100 |
| Bhilwara | 1.6 | 100 | 0.7 | 567 | 0.0 | -100 |
| Bundi | 4.3 | 617 | 0.0 | -100 | 0.0 | -100 |
| Chittorgarh | 9.6 | 3100 | 0.0 | -100 | 0.0 | -100 |
| Dausa | 13.0 | 665 | 0.8 | -38 | 0.0 | -100 |
| Dholpur | 9.2 | 268 | 0.9 | -46 | 0.0 | -100 |
| Dungarpur | 6.8 | 6700 | 0.0 | -100 | 0.0 | -100 |
| Jaipur | 13.2 | 1000 | 2.0 | 388 | 0.0 | -100 |
| Jhalawar | 18.6 | 2557 | 0.0 | -100 | 0.0 | -100 |
| Jhunjhunu | 17.0 | 710 | 0.3 | -83 | 0.0 | -100 |
| Karauli | 13.7 | 706 | 5.4 | 288 | 0.0 | -100 |
| Kota | 13.8 | 1433 | 0.0 | -100 | 0.0 | -100 |
| Pratapgarh | 7.4 | 1750 | 0.4 | 200 | 0.0 | -100 |
| Rajsamand | 2.0 | 400 | 0.3 | -58 | 0.0 | -100 |
| Sawai Madhopur | 6.2 | 288 | 0.8 | 11 | 0.0 | -100 |
| Sikar | 15.3 | 750 | 1.7 | 90 | 0.0 | -100 |
| Sirohi | 0.0 | -100 | 0.7 | 200 | 0.0 | -100 |
| Tonk | 11.2 | 762 | 10.0 | 2411 | 0.0 | -100 |
| Udaipur | 1.8 | 800 | 0.0 | -100 | 0.0 | -100 |
| West Rajasthan | | | | | | |
| Barmer | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Bikaner | 4.5 | 137 | 0.0 | -100 | 0.0 | -100 |
| Churu | 19.9 | 1006 | 4.7 | 288 | 0.3 | -66 |
| Hanumangarh | 5.1 | 219 | 3.7 | 210 | 0.0 | -100 |
| Jaisalmer | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| | | | | | | |
| Jalore | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Jalore Jodhpur | | -100 -100 | 0.0 | -100 -100 | 0.0 | -100 -100 |
| | 0.0 | | | | | |

| Sri Ganganagar | 4.7 | 147 | 0.6 | -65 | 0.5 | -78 |
|--------------------|-----|------|------|------|------|------|
| Gujarat Region | | | | | | |
| Ahmedabad | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Anand | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Banaskantha | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Baroda | 0.0 | -100 | 0.1 | 200 | 0.0 | -100 |
| Broach | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| DNH | ** | ** | ** | ** | ** | ** |
| Dahod | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Daman | ** | ** | ** | ** | ** | ** |
| Dangs | 2.5 | 200 | 3.0 | 200 | 0.0 | -100 |
| Gandhinagar | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kheda | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Mehsana | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Narmada | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Navsari | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Panchmahal | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Patan | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Sabarkantha | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Surat | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Тарі | 2.4 | 200 | 0.0 | -100 | 0.0 | -100 |
| Valsad | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| S K & Diu region | | | | | | |
| Amreli | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Bhavnagar | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Diu | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Jamnagar | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Junagarh | 0.0 | -100 | 1.1 | 200 | 0.0 | -100 |
| Kutch | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Porbandar | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Rajkot | 0.0 | -100 | 0.3 | 200 | 0.0 | -100 |
| Surendranagar | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Maharashtra | | | | | | |
| Konkan & Goa | | | | | | |
| Goa | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Mumbai | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Raigad | 0.0 | -100 | 0.3 | 200 | 0.0 | -100 |
| Ratnagiri | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Sindhudurg | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Thane | 0.0 | -100 | 0.0 | -100 | 0.7 | 200 |
| Madhya Maharashtra | | | | | | |
| Ahmednagar | 6.3 | 950 | 8.3 | 1963 | 18.5 | 3605 |
| Dhule | 0.0 | -100 | 1.2 | 200 | 2.3 | 150 |
| Jalgaon | 9.5 | 956 | 28.9 | 3113 | 2.7 | 195 |
| Kolhapur | 1.8 | 500 | 0.3 | -72 | 0.7 | 6 |
| Nandurbar | ** | ** | 0.2 | 200 | 0.0 | -100 |
| Nasik | 0.4 | 0 | 17.9 | 200 | 3.8 | 3731 |
| Pune | 0.1 | 0 | 11.1 | 5429 | 7.1 | 2250 |
| Sangli | 3.1 | 3000 | 2.1 | 313 | 0.0 | -100 |

| Satara | 0.6 | 200 | 1.7 | 463 | 5.8 | 859 |
|--------------|------|------|------|-------|------|------|
| Solapur | 16.0 | 2567 | 27.5 | 13657 | 0.1 | -92 |
| Marathwada | | | | | | |
| Aurangabad | 14.3 | 1489 | 48.6 | 12044 | 10.6 | 1075 |
| Beed | 14.2 | 1478 | 44.7 | 5485 | 6.5 | 491 |
| Hingoli | 27.1 | 1406 | 60.4 | 5938 | 6.1 | 152 |
| Jalna | 19.1 | 2288 | 37.8 | 3682 | 14.7 | 819 |
| Latur | 41.8 | 1990 | 49.9 | 2396 | 1.1 | -43 |
| Nanded | 29.6 | 3189 | 50.3 | 1297 | 2.8 | 99 |
| Usmanabad | 29.8 | 2383 | 30.7 | 6049 | 1.7 | 83 |
| Parbhani | 27.0 | 1488 | 72.6 | 3356 | 2.5 | 37 |
| Vidarbha | | | | | | |
| Akola | 40.2 | 2771 | 14.4 | 525 | 13.7 | 755 |
| Amraoti | 29.7 | 1550 | 4.2 | 282 | 11.7 | 349 |
| Bhandara | 46.7 | 1359 | 3.3 | -42 | 1.8 | -45 |
| Buldhana | 24.8 | 1967 | 39.3 | 2359 | 12.3 | 921 |
| Chandrapur | 32.8 | 681 | 34.5 | 916 | 0.8 | -67 |
| Gadchiroli | 21.3 | 788 | 20.3 | 479 | 0.0 | -100 |
| Gondia | 38.7 | 868 | 2.0 | -54 | 0.3 | -91 |
| Nagpur | 39.6 | 1177 | 4.2 | -18 | 6.5 | 92 |
| Wardha | 45.3 | 1194 | 5.9 | 180 | 3.9 | 10 |
| Washim | 13.5 | 694 | 61.9 | 3768 | 27.1 | 2359 |
| Yeotmal | 32.1 | 1589 | 37.2 | 1277 | 10.9 | 303 |
| Odisha | | | | | | |
| Angul | 27.9 | 213 | 4.2 | -41 | 0.0 | -100 |
| Balasore | 27.7 | 152 | 0.5 | -94 | 2.0 | -39 |
| Bargarh | 3.7 | -31 | 0.5 | -78 | 8.4 | 250 |
| Bhadrak | 36.3 | 332 | 0.5 | -95 | 0.0 | -100 |
| Bolangir | 0.5 | -91 | 1.2 | -66 | 4.1 | 24 |
| Boudh | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Cuttack | 47.2 | 497 | 1.6 | -77 | 0.0 | -100 |
| Deogarh | 2.0 | -63 | 7.4 | 45 | 0.0 | -100 |
| Dhenkanal | 22.3 | 175 | 0.4 | -96 | 0.0 | -100 |
| Gajapati | 15.6 | 123 | 42.8 | 185 | 0.9 | -93 |
| Ganjam | 17.3 | 170 | 13.7 | 80 | 0.0 | -100 |
| Jagatsingpur | 18.7 | 192 | 7.9 | -14 | 0.0 | -100 |
| Jajpur | 54.8 | 249 | 0.0 | -100 | 2.4 | -44 |
| Jharsuguda | 8.5 | 33 | 0.0 | -100 | 0.4 | -81 |
| Kalahandi | 1.2 | -59 | 4.9 | 52 | 4.3 | 39 |
| Kandhamal | 0.5 | -95 | 4.3 | -51 | 0.0 | -100 |
| Kendrapara | 66.1 | 382 | 0.0 | -100 | 0.0 | -100 |
| Keonjhar | 20.8 | 25 | 3.4 | -54 | 0.0 | -100 |
| Khurda | 51.8 | 482 | 5.0 | -28 | 0.0 | -100 |
| Koraput | 3.5 | -8 | 39.6 | 1101 | 0.3 | -92 |
| Malkangiri | 9.0 | 543 | 3.4 | -19 | 0.8 | -33 |
| Mayurbhanj | 36.4 | 178 | 0.3 | -97 | 4.1 | -20 |
| Nawapara | 0.0 | -100 | 0.0 | -100 | 12.8 | 433 |
| Nawarangpur | 0.0 | -100 | 26.6 | 336 | 7.0 | 438 |
| Nayagarh | 57.6 | 555 | 14.9 | 193 | 0.0 | -100 |

| Puri | 10.9 | 153 | 10.2 | 160 | 0.0 | -100 |
|-------------------|------|------|------|------|------|------|
| Rayagada | 11.5 | 121 | 16.2 | 72 | 7.4 | 17 |
| Sambalpur | 21.5 | 298 | 1.8 | -64 | 0.9 | -64 |
| Sonepur | 0.2 | -96 | 2.5 | -43 | 0.3 | -88 |
| Sundargarh | 20.1 | 247 | 0.0 | -100 | 1.5 | -12 |
| West Bengal | | | | | | |
| GWB | | | | | | |
| Bankura | 26.5 | 464 | 0.0 | -100 | 0.0 | -100 |
| Birbhum | 25.8 | 892 | 0.0 | -100 | 0.0 | -100 |
| Burdwan | 31.4 | 614 | 0.0 | -100 | 0.0 | -100 |
| East Midnapore | 4.5 | -34 | 0.1 | -99 | 0.2 | -95 |
| Hooghly | 0.5 | -85 | 0.0 | -100 | 0.0 | -100 |
| Howrah | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kolkata | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Murshidabad | 14.0 | 338 | 0.0 | -100 | 0.0 | -100 |
| Nadia | 2.7 | -7 | 0.0 | -100 | 0.0 | -100 |
| 24 Pargana (N) | 0.1 | -97 | 0.0 | -100 | 0.0 | -100 |
| Purulia | 38.5 | 655 | 0.0 | -100 | 0.6 | -86 |
| 24 Pargana (S) | 0.9 | -92 | 0.0 | -100 | 0.0 | -100 |
| West Midnapore | 9.7 | 43 | 0.0 | -100 | 0.0 | -100 |
| SHWB | | | | | | |
| Cooch Behar | 0.8 | -74 | 0.0 | -100 | 0.0 | -100 |
| Darjeeling | 0.1 | -99 | 0.0 | -100 | 2.7 | -76 |
| East Sikkim | 6.1 | -53 | 2.6 | -79 | 20.0 | 14 |
| Jalpaiguri | 0.4 | -91 | 0.1 | -99 | 0.8 | -89 |
| Malda | 6.2 | 210 | 0.0 | -100 | 0.0 | -100 |
| North Dinajpur | 3.0 | 76 | 0.0 | -100 | 0.0 | -100 |
| North Sikkim | 32.2 | 42 | 7.0 | -83 | 57.9 | -5 |
| South Dinajpur | 10.2 | 292 | 0.0 | -100 | 0.0 | -100 |
| South Sikkim | 0.5 | -96 | 0.5 | -96 | 10.1 | -43 |
| West Sikkim | 0.7 | -97 | 0.0 | -100 | 11.3 | -81 |
| Karnataka | | | | | | |
| Coastal Karnataka | | | | | | |
| Dakshin Kannada | 0.6 | -14 | 1.6 | -16 | 0.0 | -100 |
| Udupi | 0.0 | -100 | 0.3 | -60 | 0.0 | -100 |
| Uttar Kannada | 0.0 | -100 | 3.8 | 1168 | 0.0 | -100 |
| N I Karnataka | | | | | | |
| Bagalkote | 10.4 | 1200 | 28.4 | 5580 | 0.0 | -100 |
| Belgaum | 5.9 | 1867 | 20.4 | 3303 | 0.0 | -100 |
| Bidar | 41.6 | 5843 | 32.3 | 1098 | 0.7 | -65 |
| Bijapur | 21.6 | 1562 | 26.9 | 5276 | 0.0 | -100 |
| Dharwad | 3.8 | 322 | 12.4 | 2993 | 0.0 | -100 |
| Gadag | 19.9 | 4875 | 12.3 | 4001 | 0.0 | -100 |
| Gulbarga | 19.5 | 4775 | 19.4 | 1841 | 0.0 | -100 |
| Haveri | 2.1 | 600 | 7.4 | 1388 | 0.0 | -100 |
| Koppal | 14.4 | 3500 | 26.3 | 3662 | 0.0 | -100 |
| Raichur | 10.6 | 1414 | 23.2 | 2481 | 0.0 | -100 |
| Yadgir | 2.7 | 238 | 36.2 | 4428 | 0.0 | -100 |
| S I Karnataka | | | | | | |

| Bangalore Rural | 0.9 | -61 | 20.7 | 1052 | 0.0 | -100 |
|-------------------|------|------|------|------|-----|------|
| Bangalore Urban | 3.2 | 68 | 9.7 | 410 | 0.0 | -100 |
| Bellary | 11.2 | 3633 | 16.1 | 1917 | 0.0 | -100 |
| Chamarajnagar | 12.3 | 547 | 11.4 | 308 | 0.0 | -100 |
| Chichballapur | 4.7 | 161 | 9.4 | 450 | 0.0 | -100 |
| Chickmagalur | 0.6 | -54 | 7.2 | 117 | 0.0 | -100 |
| Chitradurga | 7.8 | 1014 | 16.8 | 1298 | 0.0 | -100 |
| Davangere | 0.6 | 20 | 7.6 | 989 | 0.0 | -100 |
| Hassan | 4.9 | 172 | 11.0 | 213 | 0.0 | -100 |
| Kodagu | 0.7 | -22 | 5.5 | 25 | 0.0 | -100 |
| Kolar | 1.8 | 0 | 11.9 | 465 | 0.0 | -100 |
| Mandya | 9.1 | 658 | 12.3 | 411 | 0.0 | -100 |
| Mysore | 5.9 | 556 | 11.1 | 343 | 0.0 | -100 |
| Ramnagara | 30.4 | 2071 | 16.0 | 596 | 0.0 | -100 |
| Shimoga | 2.2 | 450 | 9.3 | 614 | 0.0 | -100 |
| Tumkur | 7.5 | 341 | 23.9 | 987 | 0.0 | -100 |
| Kerala | | | | | | |
| Alappuzha | 2.4 | -61 | 0.0 | -100 | 0.0 | -100 |
| Kannur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Ernakulam | 2.6 | -16 | 6.8 | 11 | 0.0 | -100 |
| Idukki | 12.4 | 46 | 5.0 | -27 | 0.0 | -100 |
| Kasaragod | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kollam | 21.6 | 96 | 20.5 | 69 | 0.9 | -94 |
| Kottayam | 1.9 | -49 | 0.8 | -93 | 0.0 | -100 |
| Kozhikode | 0.0 | -100 | 0.8 | -72 | 0.0 | -100 |
| Malappuram | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Palakkad | 0.4 | -64 | 3.8 | -7 | 0.0 | -100 |
| Pathanamthitta | 0.0 | -100 | 26.0 | 82 | 1.0 | -93 |
| Thiruvanantapuram | 28.9 | 502 | 1.0 | -78 | 0.0 | -100 |
| Thrissur | 0.5 | -64 | 1.5 | -45 | 0.0 | -100 |
| Wayanad | 0.0 | -100 | 12.6 | 404 | 0.0 | -100 |
| Tamil Nadu | | | | | | |
| Ariyalur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Chennai | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Coimbatore | 1.6 | -41 | 17.9 | 135 | 0.0 | -100 |
| Cuddalore | 0.0 | -100 | 0.0 | -99 | 0.0 | -100 |
| Dharmapuri | 0.4 | -84 | 0.0 | -100 | 0.0 | -100 |
| Dindigul | 5.2 | 21 | 3.3 | -45 | 0.0 | -100 |
| Erode | 2.0 | -17 | 0.0 | -100 | 0.0 | -100 |
| Kanchipuram | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Kanyakumari | 4.9 | -20 | 1.4 | -80 | 0.0 | -100 |
| Karikal | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Karur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Krishnagiri | 2.4 | 33 | 5.3 | 69 | 0.0 | -100 |
| Madurai | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Nagapattinam | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Namakkal | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Nilgiris | 13.5 | 93 | 17.6 | 30 | 0.0 | -100 |
| Perambalur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |

| Puducherry | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
|------------------------|------|-------|------|------|-----|------|
| Pudukottai | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Ramanathapuram | 2.3 | -68 | 0.0 | -99 | 0.0 | -100 |
| Salem | 1.5 | -55 | 5.3 | 76 | 0.0 | -100 |
| Sivaganga | 1.8 | -65 | 0.0 | -100 | 0.0 | -100 |
| Thanjavur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Theni | 21.0 | 208 | 2.1 | -76 | 0.0 | -100 |
| Tirunelveli | 48.7 | 283 | 4.0 | -60 | 0.0 | -100 |
| Tirupur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Tiruvallur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Tiruvannamalai | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Tiruvarur | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Toothukudi | 13.3 | 55 | 6.3 | -6 | 0.0 | -100 |
| Trichy | 0.1 | -98 | 0.1 | -99 | 0.0 | -100 |
| Vellore | 5.6 | 276 | 0.0 | -100 | 0.0 | -100 |
| Villupuram | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Virudhunagar | 13.7 | 180 | 0.0 | -100 | 0.0 | -100 |
| Andhra Pradesh | | | | | | |
| Coastal Andhra Pradesh | | | | | | |
| East Godavari | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Guntur | 0.3 | -82 | 0.0 | -100 | 0.0 | -100 |
| Krishna | 0.0 | -100 | 0.0 | -100 | 0.0 | -100 |
| Nellore | 0.0 | -100 | 0.0 | -100 | 0.6 | -63 |
| Prakasam | 0.8 | -53 | 0.0 | -100 | 3.0 | 87 |
| Sirkakulam | 9.2 | 129 | 20.0 | 365 | 1.0 | -66 |
| Visakhapatnam | 0.6 | -75 | 9.6 | 160 | 5.3 | 43 |
| Vizianagram | 2.1 | -49 | 21.0 | 401 | 0.0 | -100 |
| West Godavari | 1.1 | -50 | 0.0 | -100 | 0.0 | -100 |
| Telangana | | | | | | |
| Adilabad | 27.0 | 771 | 69.7 | 3070 | 0.0 | -100 |
| Hyderabad | 53.3 | 5227 | 2.2 | -51 | 0.0 | -100 |
| Karimnagar | 34.3 | 1613 | 34.9 | 869 | 0.0 | -100 |
| Khammam | 15.1 | 621 | 2.4 | -15 | 1.3 | -44 |
| Mehabubnagar | 3.8 | 375 | 18.2 | 910 | 0.0 | -100 |
| Medak | 51.3 | 3106 | 32.5 | 1020 | 0.0 | -100 |
| Nalgonda | 6.2 | 343 | 0.0 | -100 | 0.0 | -100 |
| Nizamabad | 57.4 | 4685 | 52.6 | 1544 | 0.0 | -98 |
| Rangareddy | 24.5 | 12157 | 12.5 | 494 | 0.0 | -100 |
| Warangal | 40.8 | 3975 | 1.3 | -68 | 0.0 | -100 |
| Rayalaseema | | | | | | |
| Anantapur | 5.8 | 221 | 9.3 | 365 | 0.0 | -100 |
| Chittoor | 11.2 | 434 | 0.7 | -63 | 0.0 | -100 |
| Cuddapah | 7.3 | 635 | 0.4 | -70 | 0.0 | -100 |
| Kurnool | 12.3 | 1021 | 7.4 | 252 | 0.0 | -100 |

| (20% or more) excess rainfall | | (-60 to -99 %) scanty rainfall |
|----------------------------------|----|--------------------------------|
| (-19 to +19%) normal rainfall | | (-100%) no rainfall |
| (-20 to -59%) deficient rainfall | ** | Data not available |