

AGROMETEOROLOGICAL ADVISORY BULLETIN FOR THE STATE OF WEST BENGAL AND A&N ISLANDS

For the period from 26th January to 30th January '2019

AGROCLIMATIC REGIONS OF WEST BENGAL

-  HIMALAYAN HILLY REGION
-  TERAI AND TEESTA ALLUVIUM
-  GANGETIC ALLUVIUM
-  VINDHYA ALLUVIUM
-  RED LATERITIC
-  COASTAL SALINE



Issued on
Friday, 25th January '2019

ISSUED BY

Regional Meteorological Centre, Alipore, Kolkata-27 in collaboration with State Agricultural Universities and state Agricultural Department.

Agroclimatic zones of the state

Sl. No.	Agroclimatic Zone	Districts	Agromet Field Unit (AMFU) Location
1	Northern Hill Zone	Darjeeling	Kalimpong
2	Terai-Teesta Alluvial Zone	Jalpaiguri, Alipurduar, Coochbehar and Uttar Dinajpur.	Pundibari
3	Gangetic Alluvial Zone	Murshidabad, Nadia, North 24 Parganas, Howrah, Hooghly and Burdwan	Kalyani
4	Vindhyan Alluvial Zone	Dakhin Dinajpur, Malda	Majhian
5	Costal Saline Zone	South 24 Parganas and Purba Midnapore	Kakdeep
6	Undulating Red and Laterite Zone	Purulia, Bankura, Paschim Midnapore, Jhargram and Birbhum	Kharagpur

Met sub-divisions of the state

For Meteorological purposes, the state has been divided into two sub-divisions (IMD Classification):

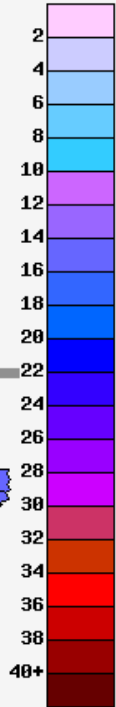
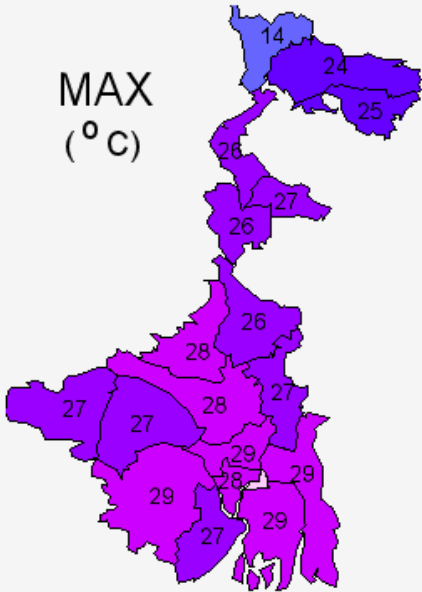
Gangetic West Bengal consists of Dakhin Dinajpur, Malda, Murshidabad, Nadia, South 24 Parganas, North 24 Parganas, Bankura, Purulia, Birbhum, Paschim Midnapore, Jhargram, Purba Midnapore, Kolkata, Burdwan.

Sub-Himalayan West Bengal consists of Darjeeling, Coochbehar, Alipurduar, Jalpaiguri, Dakshin Dinajpur, Uttar Dinajpur.

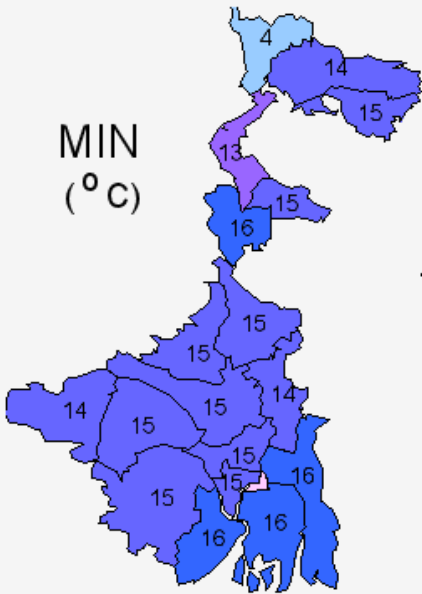
DAY 1 FORECAST

Valid up to : Saturday 26th January 2019, 0830 hrs IST

MAX
(°C)

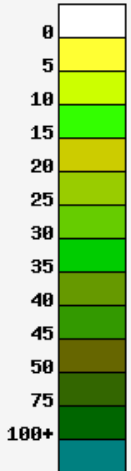
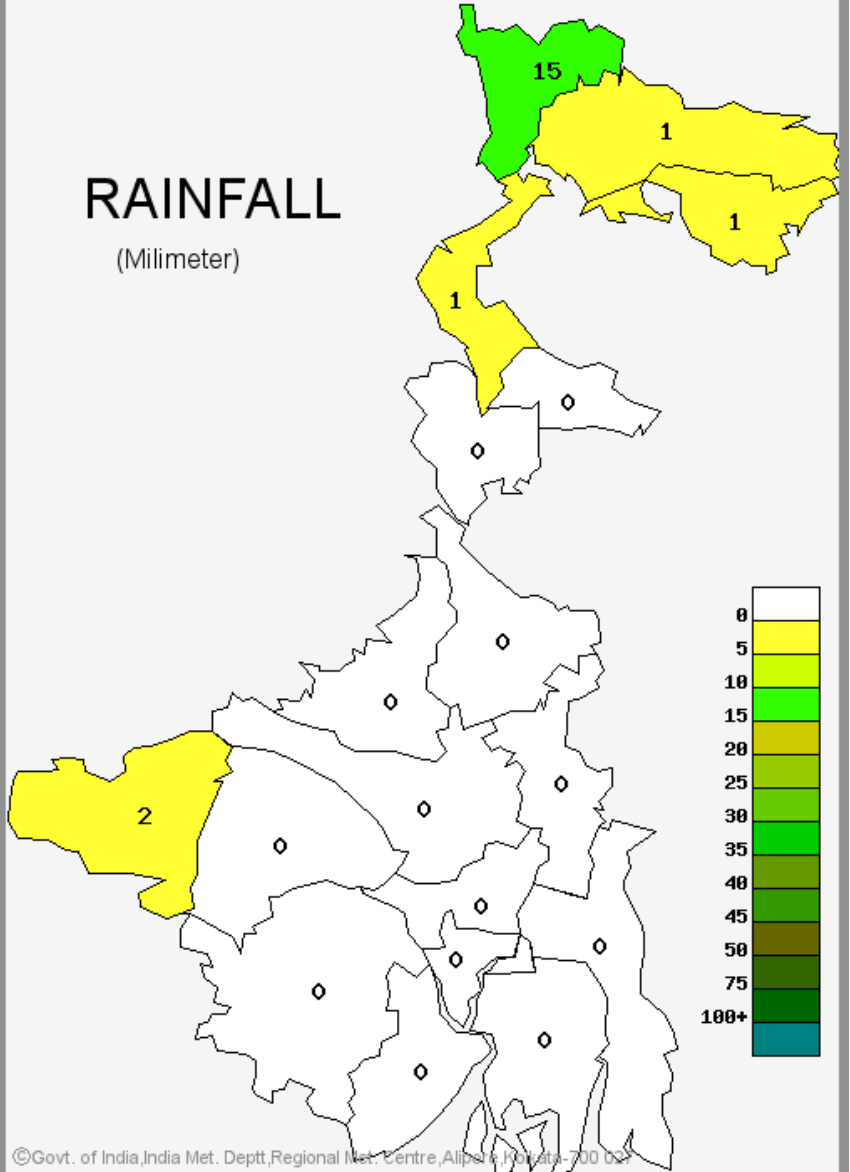


MIN
(°C)



RAINFALL

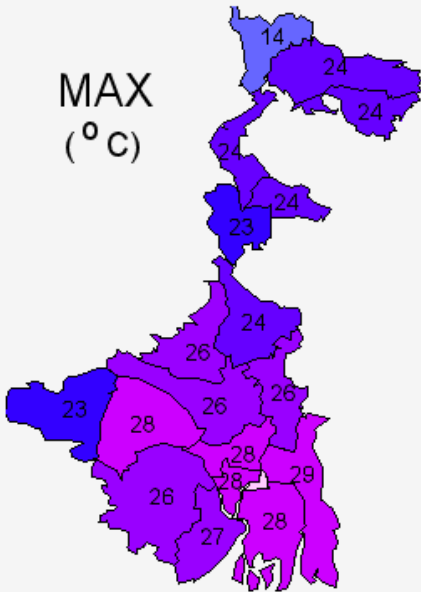
(Milimeter)



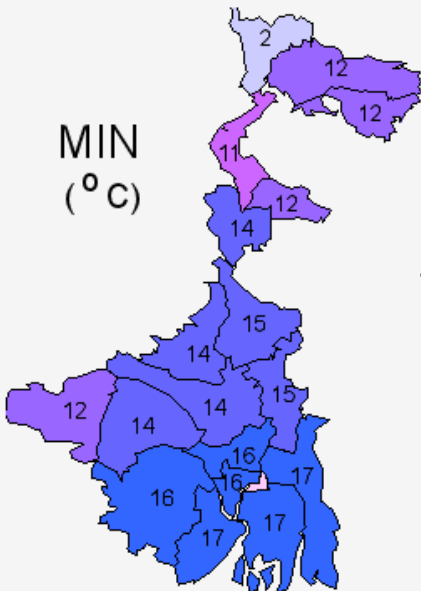
DAY 2 FORECAST

Valid up to :Sunday 27th January 2019,0830 hrs IST

MAX
(°C)

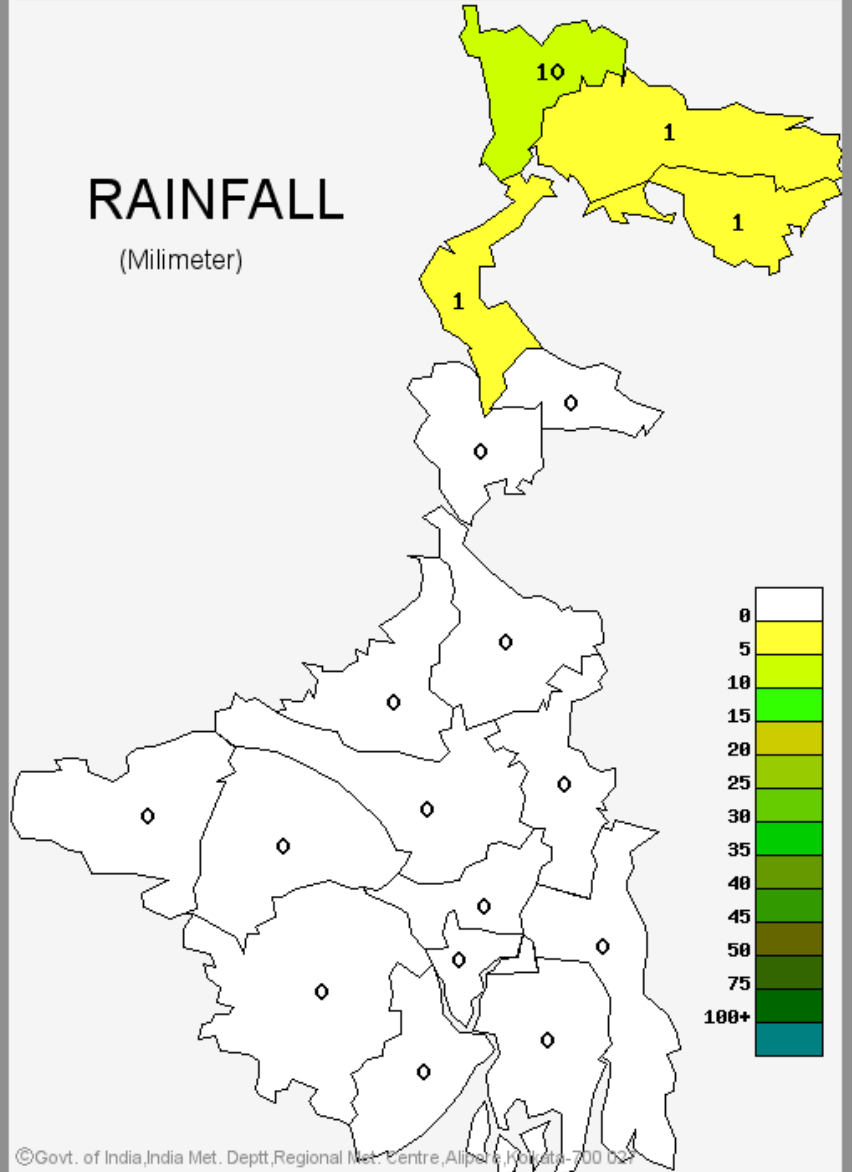


MIN
(°C)



RAINFALL

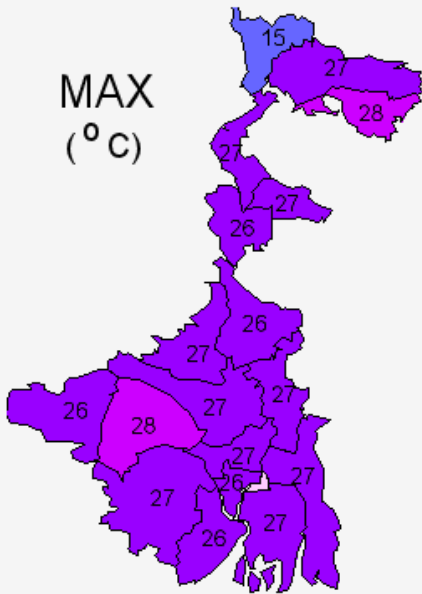
(Milimeter)



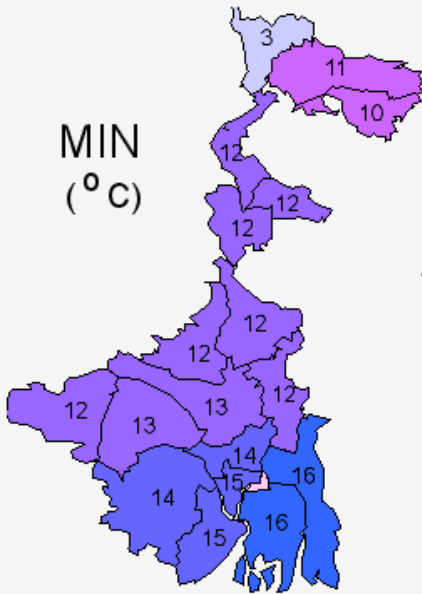
DAY 3 FORECAST

Valid up to :Monday 28th January 2019,0830 hrs IST

MAX
(°C)

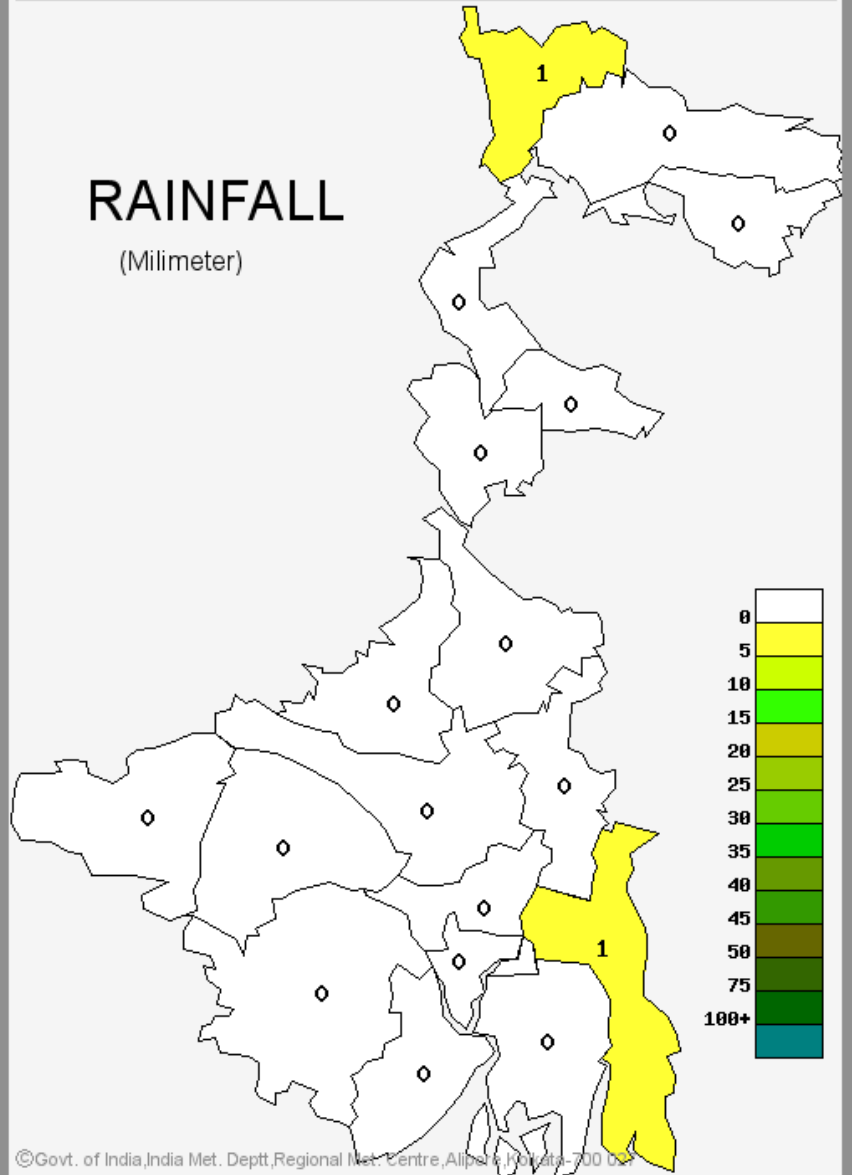


MIN
(°C)



RAINFALL

(Milimeter)

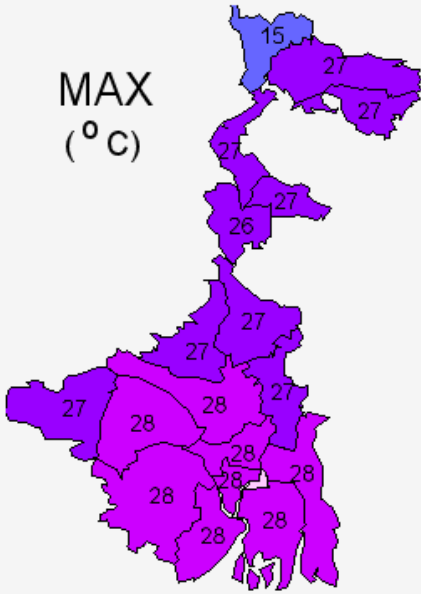


©Govt. of India,India Met. Deptt,Regional Met. Centre,Alipor,Hydrabad-700 007

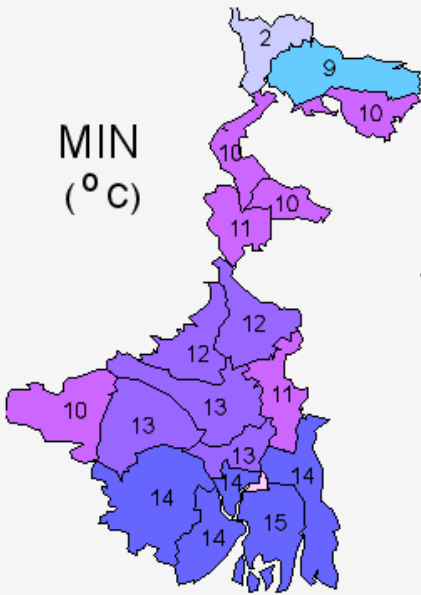
DAY 4 FORECAST

Valid up to :Tuesday 29th January 2019,0830 hrs IST

MAX
(°C)

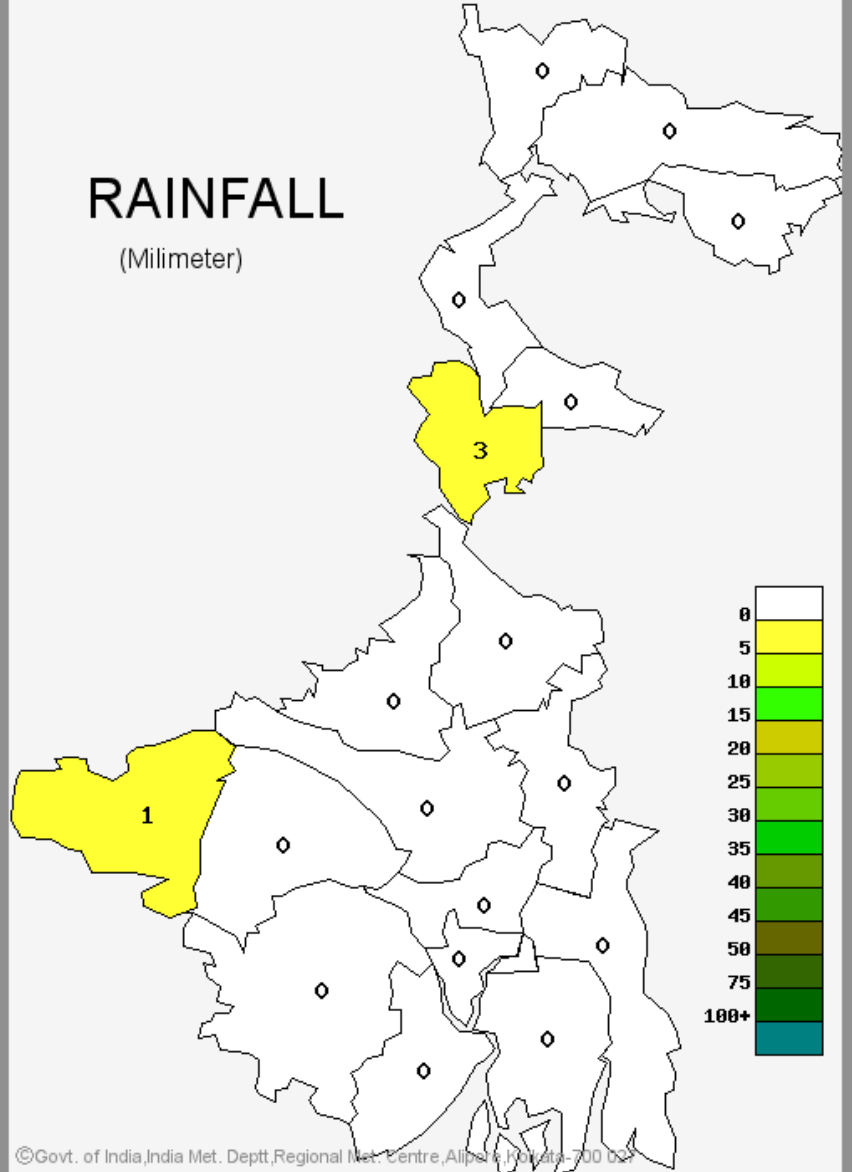


MIN
(°C)



RAINFALL

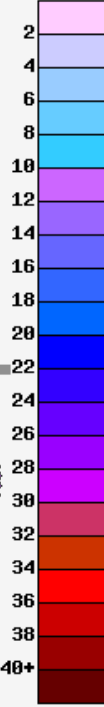
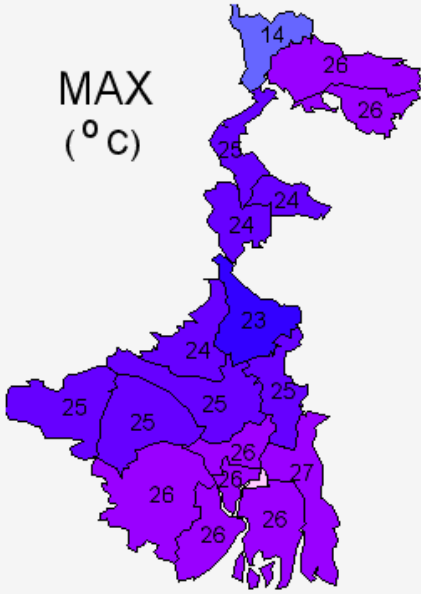
(Milimeter)



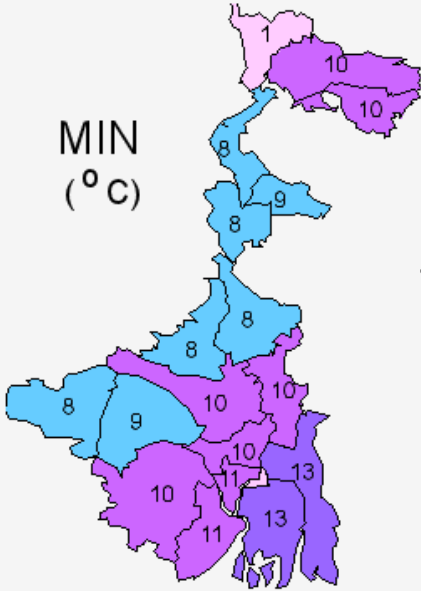
DAY 5 FORECAST

Valid up to :Wednesday 30th January 2019,0830 hrs IST

MAX
(°C)

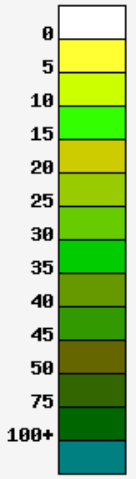
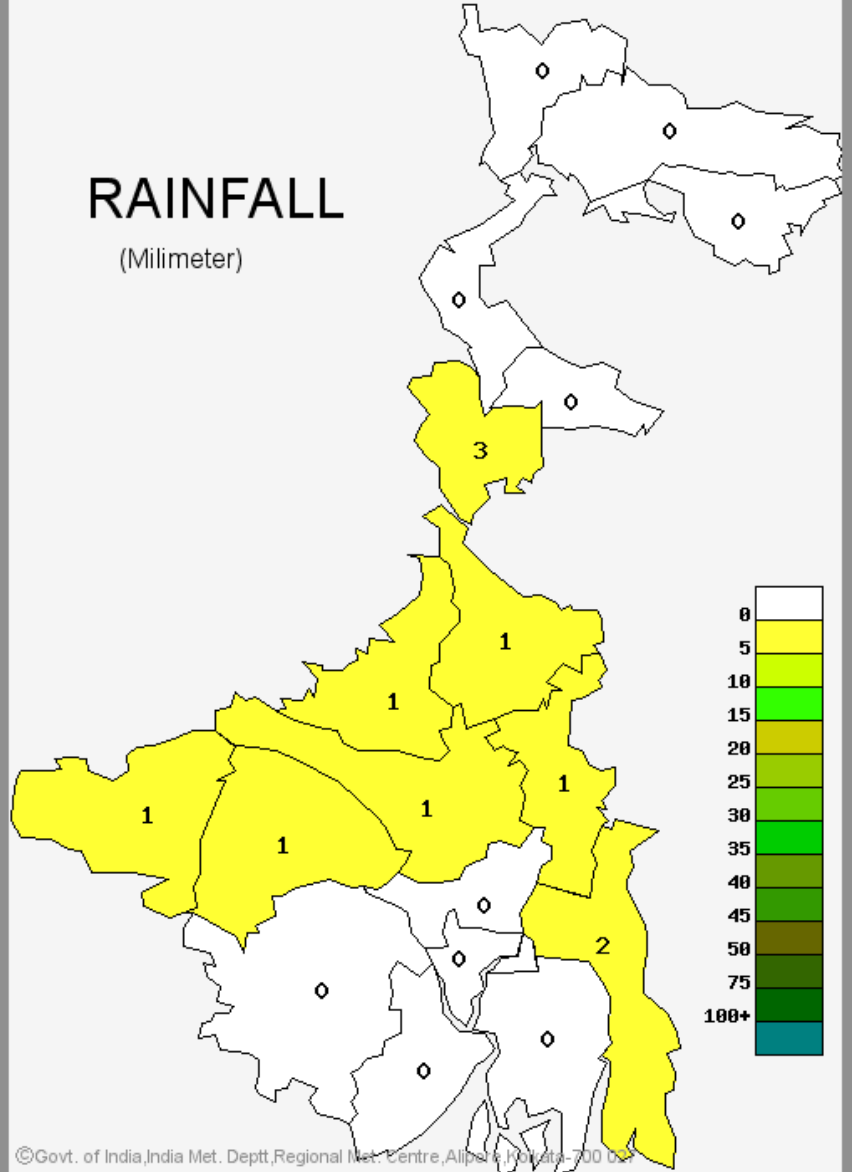


MIN
(°C)



RAINFALL

(Milimeter)



Part I: Weather

Districtwise significant Past Weather in different agroclimatic zones for the period 22/01/19 to 24/01/19

District level Weather Forecast for different agroclimatic zones for the period 26/01/19 to 30/01/19

West Bengal

Northern Hill Zone

DARJEELING

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	15-18	2-9	50-95
Wednesday	0.0			
Thursday	0.0			

DARJEELING

Rainfall	Possibilities of very light rainfall on 28 th January, moderate rainfall on 26 th , 27 th January and rest of the day's no rainfall have been forecasted. In coming five days total rainfall of 26.0 mm is expected.
Cloud Cover	Possibilities of cloudy sky on 26 th January, partly clear sky on 27 th January and rest of the day's clear sky are expected.
Max. Temp.	Maximum temperature is expected to be around 14 to 15°C.
Min. Temp.	Minimum temperature is expected to be around 1.0 to 4.0°C.
Max. RH	Maximum relative humidity is expected to be around 42 - 58 %.
Min. RH	Minimum relative humidity is expected to be around 23 - 31 %.
Wind	Wind mainly will blow from south-westerly on 26 th Jan, southerly on 30 th Jan and rest of the days wind mainly will blow from westerly direction. In coming five days wind mainly will blow with a speed of 8.0 - 9.2 km/hr is expected.

Terai-Teesta Alluvial Zone

COOCH BEHAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	27-27	7-9	70-85
Wednesday	0.0			
Thursday	0.0			

COOCHBEHAR

- Mainly cloudy sky 26th, 30th January. Over cast sky 27th January. Clear sky 28th, 29th January.
- Very light rainfall will occur from 26th and 27th January.
- Wind easterly 26th January. Westerly 27th January, 28-29th January Southerly and 30th January South westerly average speed of 8-10 km/hr. is expected.
- Maximum temperature is expected to be around 24-27°C and minimum temperature is expected to be 10-15°C
- Maximum and minimum relative humidity is expected to be 38-53% and 23-33% respectively.
-

JALPAIGURI

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	27-28	9-13	55-90
Wednesday	0.0			
Thursday	0.4			

JALPAIGURI

- Mainly cloudy sky 26,27th January. 30th January Partly clear sky and 28-29th January clear sky.
- Very light rainfall will occur from 26th and 27th January.
- Wind easterly from 26th January , 27th ,28th and 30th January wind Southerly and 29th January wind South easterly average speed of 7-8 km/hr. is expected.
- Maximum temperature is expected to be around 24-27°C and minimum temperature is expected to be 9-14°C
- Maximum and minimum relative humidity is expected to be 34-45% and 21-28% respectively.
-

NORTH DINAJPUR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-25	9-10	70-85
Wednesday	0.0			
Thursday	0.0			

NORTH DINAJPUR

- Mainly cloudy sky 26th January. Over cast sky 27th January. Clear sky 28th ,29th January.30th January partly clear sky
- Very light rainfall will occur from 26th and 27th January.
- Wind Southerly 26th January. Northerly 27th January,28,30th January North westerly and 29th January westerly average speed of 11-12 km/hr. is expected.
- Maximum temperature is expected to be around 24-27°C and minimum temperature is expected to be 8-13°C
- Maximum and minimum relative humidity is expected to be 49-63% and 23-35% respectively.
-

Gangetic Alluvial Zone**BURDWAN**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	27-28	13-15	70-80
Wednesday	0.0			
Thursday	0.0			

BURDWAN

Clear to partly cloudy sky is expected during next 5 days .

No rainfall to little rainfall is expected during rest 5 days

Wind flow mainly from N direction with 9.6-12.5 km/hr speed during next 5 days is expected.

Maximum relative humidity is expected to be around 60-70% and minimum relative humidity is expected to be around 30% - 51%.

Maximum temperature is expected to be around 25°C - 30°C and minimum temperature is expected to be around 9°C - 15°C .

MURSHIDABAD

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-26	12-17	40-85
Wednesday	0.0			
Thursday	0.0			

MURSHIDABAD

Clear to partly cloudy sky is expected during next 5 days .

No rainfall to little rainfall is expected during rest 5 days.

Wind flow mainly from N direction with 10.1- 14.1 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 62% - 70% and minimum relative humidity is expected to be around 32% - 52%.

Maximum temperature is expected to be around 22°C - 29°C and minimum temperature is expected to be around 9°C - 15°C .

NADIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	--	12-14	80-90
Wednesday	0.0			
Thursday	0.0			

NADIA

Clear sky is expected during next 5 days .

No rainfall to partly cloudy sky is expected during next 5 days.

Wind flow mainly from N, SE direction with 8.8 - 14.1 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 57%- 70% and minimum relative humidity is expected to be around 29% - 47%.

Maximum temperature is expected to be around 25 °C - 29°C and minimum temperature is expected to be around 9°C - 15°C .

HOOGHLY

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	27-29	13-13	40-85
Wednesday	0.0			
Thursday	0.0			

HOOGHLY

Clear sky is expected during next 5 days .

No rainfall is expected during rest 5 days.

Wind flow mainly from N direction with 7.9- 14.1 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 58% - 66% and minimum relative humidity is expected to be around 28% - 46%.

Maximum temperature is expected to be around 24°C - 30°C and minimum temperature is expected to be around 9°C-15°C.

HOWRAH

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	29-30	11-12	75-85
Wednesday	0.0			
Thursday	0.0			

HOWRAH

Clear sky to partly cloudy sky is expected during next days .

No rainfall is expected during rest 5 days.

Wind flow mainly from N direction with 8.6- 10 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 54-58% and minimum relative humidity is expected to be around 25% - 41%.

Maximum temperature is expected to be around 25°C-30°C and minimum temperature is expected to be around 10°C-16°C .

NORTH 24 PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	28-29	13-15	50-80
Wednesday	0.0			
Thursday	0.0			

NORTH 24 PGS

Clear to partly cloudy sky is expected during next days .

No rainfall is expected during rest 5 days.

Wind flow mainly from N & SE direction with 8.9 - 10 km/hr. speed during next 5 days is expected.

Maximum relative humidity is expected to be around 50% - 60% and minimum relative humidity is expected to be around 28% - 38%.

Maximum temperature is expected to be around 26°C-30°C and minimum temperature is expected to be around 12°C-18°C .

Vindhyan Alluvial Zone**DAKSHIN DINAJPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	--	9-17	70-80
Wednesday	0.0			
Thursday	0.0			

DAKSHIN DINAJPUR

- Possibility of partly cloudy on 26th & 30th January, mainly clear sky on 28th & 29th January and overcast sky on 27th January.
- There seems to be possibility of no rainfall on 26th to 30th January.
- Wind from Easterly, Northerly & North-westerly direction with an average speed of 9.5-12.5 Km/hr. is expected.
- Maximum temperature is expected to be around 24.0-27.0°C and minimum temperature is expected to be 09.0-15.0°C.
- Maximum and minimum relative humidity is expected to be 49-71% and 24-49% respectively.

MALDA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	26-28	14-17	65-80
Wednesday	0.0			
Thursday	0.0			

MALDA

- Possibility of partly cloudy on 26th & 30th January, mainly clear sky on 28th & 29th January and overcast sky on 27th January.
- There seems to be possibility of no rainfall on 26th to 28th January but possibility of light rain on 29th & 30th January.
- Wind from North-westerly & Northerly direction with an average speed of 10.4-14.3 Km/hr. is expected.
- Maximum temperature is expected to be around 23.0-26.0°C and minimum temperature is expected to be 08.0-16.0°C.
- Maximum and minimum relative humidity is expected to be 52-71% and 26-42% respectively.

Coastal Saline Zone**PURBA MIDNAPUR**

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	24-30	11-15	55-95
Wednesday	0.0			
Thursday	0.0			

PURBA MIDNAPUR

- Light rain fall is predicted in 28th and 30th January but no rainfall is predicted in the remaining days.
- Sky will be mainly cloudy on 28th and 29th January and clear in the remaining days.
- Wind speed will be 9.1-15.0 km/sec. and the predominant wind direction will be South-Westerly to Northerly.
- Maximum temperature is expected to be around 25.0°C -30.0°C and minimum temperature is likely to be around 12.0°C-16.0°C.
- Maximum and minimum relative humidity will be in the range of 57% -63% and 29% -46%.

SOUTH 24-PGS

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	27-31	11-15	35-95
Wednesday	0.0			
Thursday	0.0			

SOUTH 24-PGS

- Light rain fall is predicted in 28th and 30th January but no rainfall is predicted in the remaining days.
- Sky will be mainly cloudy on 28th and 29th January and clear in the remaining days.
- Wind speed will be 9.6-17.7km/sec. and the predominant wind direction will be South-Easterly to Northerly.
- Maximum temperature is expected to be around 26.0°C -30.0°C and minimum temperature is likely to be around 12.0°C-18.0°C.
- Maximum and minimum relative humidity will be in the range of 53% -60% and 31% -41%.

Undulating Red and Laterite Zone

PASCHIM MIDNAPORE

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	29-30	13-14	35-90
Wednesday	0.0			
Thursday	0.0			

PASCHIM MIDNAPORE

- No rainfall for the coming five days and partially clear sky will be present for the same.
- Predominant wind direction will be Northeasterly. Wind with a speed of 8.3-13.1 km per hour will blow for coming five days.
- Relative humidity maximum will be 55-65 % and minimum will be 26-46 %
- Maximum temperature will be 26-29°C and minimum will be 10-16°C.
-

BANKURA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	29-31	11-15	50-85
Wednesday	0.0			
Thursday	0.0			

BANKURA

- No rainfall for the coming five days and partially clear sky will be present for the same.
- Predominant wind direction will be Northeasterly. Wind with a speed of 9.6-12.1 km per hour will blow for coming five days.
- Relative humidity maximum will be 59-68 % and minimum will be 29-54 %
- Maximum temperature will be 25-28°C and minimum will be 9-15°C.
-

PURULIA

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	--	--	--
Wednesday	0.0			
Thursday	0.0			

PURULIA

- Very light rainfall on Saturday and Sunday and partially clear sky will be present for the coming five days.
- Predominant wind direction will be Northwesterly. Wind with a speed of 7.5-11.6 km per hour will blow for coming five days.
- Relative humidity maximum will be 62-73 % and minimum will be 27-54 %
- Maximum temperature will be 25-28°C and minimum will be 8-14°C.
-

BIRBHUM

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	28-29	10-13	55-90
Wednesday	0.0			
Thursday	0.0			

BIRBHUM

- No rainfall for the coming five days and partially clear sky will be present for the same.
- Predominant wind direction will be Northeasterly. Wind with a speed of 10.1-14.1 km per hour will blow for coming five days.
- Relative humidity maximum will be 63-70 % and minimum will be 31-45 %
- Maximum temperature will be 24-28°C and minimum will be 8-15°C.
-

Andaman & Nicobar Islands

ANDAMAN

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	0.0	28-32	18-26	70-95
Wednesday	0.0			
Thursday	0.0			

NORTH MIDDLE ANDAMAN

Partly cloudy weather is likely to occur during next five days. In North and Middle Andaman no rainfall is expected during this period. The maximum temperature in North and Middle Andaman will be 30.0 to 31.0 °C with minimum temperature of 23.0 to 24 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 70 to 78 % and 61 to 67 % respectively in North and Middle Andaman. Wind speed of 14.9 to 19.7 km/h is expected from North Easterly direction.

SOUTH ANDAMAN.

- Partly cloudy weather is likely to occur during next five days. In South Andaman no rainfall is expected during this period. The maximum temperature in South Andaman will be 30.0 to 31.0 °C with minimum temperature of 24 to 25 °C, whereas the maximum and minimum relative humidity is expected to be in the range of 72 to 75 %, and 65 to 68 % respectively in South Andaman. Wind speed of 19.0 to 20.9 km/h is expected from North Easterly direction.

NICOBAR

Days	Rainfall (mm)	Maxi Temp (°C)	Mini Temp (°C)	Relative Humidity (%)
Tuesday	23.2	29-30	24-25	75-95
Wednesday	1.0			
Thursday	0.0			

NICOBAR

- Partly cloudy weather with light to moderate rainfall is likely to occur during next five days. In Nicobar Islands 40.0 mm of rainfall is expected during this period. The maximum temperature will be 30.0 °C with minimum temperature of 27 to 28 °C, whereas the maximum and minimum relative humidity is expected to be 77 to 79 %, and 72 to 77 %, respectively in Nicobar Islands. Wind speed of 25.1 to 26.9 km/h is expected from North Easterly direction.

Part II: Agroclimatic zonewise Agricultural/Agro meteorological Advisories

West Bengal

Northern Hill Zone

MAJOR CROPS	STAGE	PEST & DISEASES	ADVISORY
General	-	-	In coming five days very light rainfall on 28 th January, moderate rainfall on 26 th , 27 th January and rest of the day's no rainfall has been forecasted so, proper drainage channel should be maintained.

Large cardamom	Vegetative Stage	-	Weeding should be done. Hand picking and destruction of leaf eating caterpillar of large cardamom should be done. Use leaf mold at base of clump for moisture conservation.
Mandarin Orange	Vegetative stage	-	Pruning of dried and overcrowded branches then spray copper oxychloride 2gm /lit of water. Irrigation should be provided as total 26.0 as mm rainfall has been forecasted for coming five days. Manuring of the plants should be done @ 40 kg FYM/ plant and mulching also provided. Painting of the tree trunk from the base of the plant up to 1 meter height with copper oxychloride 4-5 gm /lit. of water should be completed within last week of January.
Cole Crop (Cauliflower, Cabbage, etc)	Harvesting stage	-	Mature crop should be harvested.
Potato	Tuberization Stage	-	Earthing up should be done and irrigation is not recommended as 26.0 mm rainfall has been forecasted for coming five days.
Garden Pea	Flowering and Pod maturity stage	-	Weeding should be done and mature pods should be harvested.
Mustard	Flowering stage	-	Irrigation is not recommended as 26.0 mm rainfall has been forecasted for coming five days.
Animal Husbandry (Cattle)	-	-	Protect your livestock from FMD. Ensure that your animal is vaccinated with FMD vaccine.
General	-	-	In coming five days very light rainfall on 28 th January, moderate rainfall on 26 th , 27 th January and rest of the day's no rainfall has been forecasted so, proper drainage channel should be maintained.
Large cardamom	Vegetative Stage	-	Weeding should be done. Hand picking and destruction of leaf eating caterpillar of large cardamom should be done. Use leaf mold at base of clump for moisture conservation.
Mandarin Orange	Vegetative stage	-	Pruning of dried and overcrowded branches then spray copper oxychloride 2gm /lit of water. Irrigation should be provided as total 26.0 as mm rainfall has been forecasted for coming five days. Manuring of the plants should be done @ 40 kg FYM/ plant and mulching also provided. Painting of the tree trunk from the base of the plant up to 1 meter height with copper oxychloride 4-5 gm /lit. of water should be completed within last week of January.

Terai-Teesta Alluvial Zone

Advisory

General Very light rainfall will occur from 26th and 27th January.

Agriculture and Horticulture

Main Crops	Stage	Pest & Diseases	Advisory
Potato	Sowing	Late blight	Spray Mancozeb@2.5g/lit. of water alternating with cu-hydroxide 2g/lit. of water at 10 days interval plants with late blight symptom to be sprayed with (Cymoxinil + Mencozeb) @ 1.5g/lit. of water.
Ginger, Turmeric		Rhizome rot	Earthingup, weeding and drainingout of excess water. Turmeric In case of leaf yellowing due to rotting of rhizomes apply (Metalaxyl + Mancozeb) @2.5 g/ lit. of water as soil drenching.
Legume vegetable	Reproductive	Aphid, white fly	For Aphid control of Lab Lab bean apply Ash in case of lower infestation and in case of heavy infestation Thiomethoxam 0.3 SG @1g/3 lit.. of water may be applied.
Crucifers	Harvesting		For cabbage and cauliflower apply Borax 20% @ 2g/lit of water to avoid browning and hollow heart.
Cucurbits	Fruiting	Fruit Fly Fruit & Vine rot White fly, Mosaic	Collection and destruction of fruit fly infested fruits. Installation of pheromone trap @ 2/Bigha. Apply (Metalaxyl 8% + Mencozeb 64%) @ 2g/lit. of water or Azoxystrobin @1ml/lit. of water, if there is appearance of fruit rot or rotting of vines, mainly near soil surface. For white fly apply clothianidin 50 WDG@ 3g/10lit. of water. For mosaic uproot the infected plant and spray systemic insecticide.

Brinjal	Vegetative Fruiting,	fruit and shoot borer Nematode White fly, Jassid,	For the management of fruit and shoot borer one application of coragen @ 4 ml/tank. Cleanliness to be maintained. Apply Thiomethoxam 0.3 SG @1g/3lit. of water to manage sucking pests infestation. For nematode problem apply Fipronil 0.3G @1.5 Kg/Bigha followed by a light irrigation or Nimitz 480 EC@ 4-8 lit/ha. could be applied against root knot nematode. For white fly and jassid, apply Acetamiprid 20% SP@1g/3lit or Thiomithoxam 0.3 SG 1g/3lit of water.
Chilli	vegetative	Aphid, white fly, Thrips Yellow mite,	For Aphid, hoppers, white fly and thrips apply Imidacloprid 17.8 SL@1ml/5lit. of water or thiomethoxam @1g/3lit of water. For yellow mite apply propergite 2.5 ml/lt. of water.

ANIMAL HUSBANDRY & FISHERY

Name of Animal	Disease	Control measures
Cattle and Buffalo	Non specific Diarrhoea, FMD	The cattle populations are supposed to suffer from non-specific diarrhea during this, mid rainy season due to water borne infections. Any gut acting antibacterials along with remonetric preparation may lead to satisfactory result. FMD may also consider during this hot humid condition. Appropriate Vaccination coverage. Anthelminitics of course for animals in proper doses is also advisable for better production potentials.
Chicken	pox	Care for day old chicks with proper brooding, ventilation and management may arrangement reduce the mortality percent. A course of antibacterial for 3-5 days is recommended for pasting vent condition. Immunization against ND (Ranikhet) recommended as scheduled.

Gangetic Alluvial Zone

Crop	Stage	Advisory
Boro	Early Vegetative or Vegetative	Start nursery management of Boro rice. Apply water to the nursery at evening and drain out at morning as night temperature is low. Spray Tricyclozole @ 0.5g/liter of water and after one day spray Cheleted Zinc @ 1g/liter of water if seedlings turn to reddish in colour.
Mustard	Vegetative stage	Be careful for aphid infestation. Cut and burn the infested part if it is detected in early stage. Plant spacing should be maintained at 12-15 cm by thinning. Intercultural operations like light spading and weeding should be done. If required, light irrigation should be given as there is no rainfall forecast.
Gram and Pea	Vegetative stage	Intercultural operations like light spading and weeding should be done. In case of collar rot, drenching the soil with a combination of chlorothalonil (2g) + carbendazim (1 g)/lt of water.
Lentil	Vegetative	As temperature is lowering spray Carbendazim 50% @ 2g/liter of water as protective measures.
Cabbage, Cauliflower, Broccoli,	Fruit Setting/ Vegetative	For pointed gourd after sprouting/germination of vine/root cutings, hand weeding followed by mulching with paddy straw should be done. If downy mildew appears in the leaf, alternate spraying with cymoxanil-mancozeb (Curzate) (2.5 g/lt) and

Tomato,Chilli,French Bean,Pointed Gourd,Cucumber, Brinjal		fosetyl Al (Alliet) (2.5g/lit) at 10 days interval is very effective. For the management of fruit and shoot borer one application of coragen @ 4 ml/tank. Cleanliness to be maintained. Apply Thiomethoxam 0.3 SG @1g/3lit. of water to manage sucking pests infestation. For nematode problem apply Fipronil 0.3G @1.5 Kg/Bigha followed by a light irrigation or Nimitz 480 EC@ 4-8 lit/ha. could be applied against root knot nematode. For white fly and jassid, apply Acetamiprid 20% SP@1g/3lit or Thiomithoxam 0.3 SG 1g/3lit of water. Plants With small sized leaves and burchy appearance plants to be uprooted and sprayed with Imidachloprid @5ml/lit of Water .
Potato	Vegetative / Tuber Initiation	Present weather is not conjenial for disease and pest infestation. Those who have sown crop in late winter , be aware of Katui pest and blight infestation. For pest control apply Chloropyriphos 2.5 ml in 1 lt. water and to control blight apply mancozeb 2.5 g in 1 lt. of water. If infestation is more , apply cymoxanil-mancozeb (Curzate) (2.5 g/lit) in 10 days interval.
Rabi Onion & Garlic	Vegetative	Intercultural operations like light spading and weeding should be done. Propiconazole (Tilt) @ 1ml/l with a sticker 4-5 times starting from 15 days after transplanting to check purple blotch disease.
Flowers like Marigold, Chrysanthemum & Gladiolus	Vegetative	Intercultural operations like light spading and weeding should be done.
Spinach, Radish, Fenugreek, Coriander, Turnip	Vegetative	Extra seedlings should be thinned out. Intercultural operations like light spading and weeding should be done.
Mango Orchard	General	Wrapping of plastic sheets around mango trunk should be done for preventing climbing of young mealy bugs. Apply grease to seal any cracks in the polythene sheets. Irrigation should be done in all orchards.
Poultry	General	Care for day old chicks with proper brooding, ventilation and management may reduce morbidity and mortality rate ND vaccine for control of chicken pox and DP immunization in duck is recommended as schedule .

Coastal Saline Zone

Crop	Stage	Disease	Advisory
Boro paddy	--Apply basal fertilizer viz.urea@9kg/bigha , SSP@54kg/bigha and MOP@11kg/bigha --Start transplanting in the main field within 2-3 days --Follow a spacing of 20cm X 20cm and transplant the seedlings at 2cm depth --four to five seedlings transplant per hill		
Potato	Tuber formation	Late blight	--Where plants found already attacked apply a mixture of Thiamethoxin and Mancozeb@ 3g/liter of water or a mixture of

			Diomithomorf and Mancozeb @3g/liter of water --Apply all the medicine alternatively --Wet the plant fully by insecticide --Stop irrigation and urea application
Lathyrus	Start flowering	Yellowing of plant due to fog	--Apply Diethane-M-45 @2.5g/liter of water --Apply 2% DAP for better flowering
Marigold	Flowering	Rotting due to morning	--Destroy the rotten flower --Pluck the fresh flower as possible and store them in cold storage as there is a chance of light rain
Sunflower	--Select some seed variety like Modern Surya (90-95days), Pack(104days)KBSH(90-95 days) --Sow well filled plump seed @800g/bigha --Before sowing treat the seed by soaking for 10 hours with Thirum/Captan@3g/kg of seed to ensure germination --Spacing should be maintained as 60cm X 30cm for hybrid variety and 45cm X 30cm for long duration variety --Apply basal dose of fertilizer as 43kg urea per bigha, 62kg SSP per bigha and 83kg MOP per bigha		

Vindhyan Alluvial Zone

Crop	Stage	Variety	Advisory
General	--	--	There seems to be possibility of no rainfall on 26 th to 28 th January but possibility of light rain on 29 th & 30 th January. Irrigation & Spray should be done as per weather condition.
Lentil	Growth stage	--	Repeat the dose of DAP and Boron @ 20gram/liter and 2g/liter of water respectively at the age of 45 days of lentil.
Winter Vegetables	Vegetative	Pest	Management of winter vegetable pest at early vegetative stage sprays Chlorpyriphos 50% + Cypermethin 5% @ 1.5 ml/liter of water.
Mustard	Growth	Aphid	Management of mustard aphid sprays Dinoteforun 20% S G @ 0.5gram/liter of water.
Vegetables	Growth	Sucking pest	Management of sucking pest on vegetables crops spray dadecei @ 1.5g/liter of water with sticker @ 0.5ml/liter.
Cattle	--	--	Irrigation of fodder crops of Alfalfa and Berseem clover should be carried out every 20-30 days and for the oat crop every 20-22 days.
Fishery	Pond preparation	--	Pond preparation should be done through cultivation of Dhaincha @ 1-1.5kh/bigha for 30-45 days for seasonal & new pond.
General	--	--	There seems to be possibility of no rainfall on 26 th to 28 th January but possibility of light rain on 29 th & 30 th January. Irrigation & Spray should be done as per weather condition.

Undulating Red and Laterite Zone

Crop	Stage	Problem	Advisory
Boro rice	Nursery	Yellowing of Seedlings	Farmers are advised to apply water to the nursery bed at night and draining the water in the next morning to protect the seedlings from being yellowish.
	Transplanting	---	Farmers are advised to complete the transplanting operation by end of this week. At the time of final puddling, apply fertilizer 14.7 kg Urea, 42 kg SSP and 13.3 kg MOP per bigha as a basal dose. Maintain the water level upto 2 cm in the field.
Wheat	Late jointing	Rust and blight diseases	The weather condition may favours yellow rust and blight disease. Spray Mancozeb @ 2.5-3 ml/lit of water at clear weather condition.
Potato	Tuber initiation	Mite and thrips	ApplyAcephate-75%WP@ 0.75g/lit of water at clear weather condition

Mustard	Pod initiation	Aphids	Spray Imidacloprid @1ml/1.5lit of water at clear weather condition.
Fishery	<u>Fishery Management:</u> 1. Apply Lime (Calcium Carbonate) depending on water pH. Lime should be broadcasted in split doses. 2. Do health check-up of fish by periodical netting. 3. Diseased fish should be isolated from main stock and should be treated with potassium permanganate and sodium chloride based on the severity of infestation. Keep the pH of pond water between 7.5-8.		
General	As per NDVI map the district has moderate crop coverage and is mildly dry in condition. Give light irrigation to the standing crops if necessary		

Andaman & Nicobar Islands

For North and Middle Andaman

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	Vegetative	<ul style="list-style-type: none"> Do earthing up and hand weeding in cowpea, tomato and beans.
Vegetable	Sowing	<ul style="list-style-type: none"> Prepare the land and sow the seed of bitter gourd, bottle gourd and snake gourd, as the weather is conducive.
Poultry	All	<ul style="list-style-type: none"> Provide cool drinking water with electrolyte to poultry birds to reduce heat stress.

For South Andaman

Crop/Livestock	Stage	Weather based agro advisories
Vegetable	Vegetative	<ul style="list-style-type: none"> Do earthing up and hand weeding in cowpea, tomato and beans.
Vegetable	Sowing	<ul style="list-style-type: none"> Prepare the land and sow the seed of bitter gourd, bottle gourd and snake gourd, as the weather is conducive.
Poultry	All	<ul style="list-style-type: none"> Provide cool drinking water with electrolyte to poultry birds to reduce heat stress.

For Nicobar

Crop/Livestock	Stage	Weather based agro advisories
Coconut	All	<ul style="list-style-type: none"> Soil application of 2.5 kg Trichoderma viridae mixed with 12.5 tones farm yard manure in 1 ha of coconut palm.
Poultry	All	<ul style="list-style-type: none"> Provide cool drinking water with electrolyte to poultry birds to reduce heat stress.

For details please contact with AMFU/KPS /ADO's office of the respective area.