

# भारत मौसम विज्ञान विभाग INDIA METEOROLOGICAL DEPARTMENT मौसम विज्ञान केंद्र, अहमदाबाद

## METEOROLOGICAL CENTRE, AHMEDABAD





**Date: 02nd July, 2025** 

Time of issue: 1800 hours IST (evening)

Weather forecast Bulletin for Gujarat state and Diu, Daman, Dadra Nagar Haveli. Based on 1200 UTC observation/chart and available NWP model outputs dated 02.07.2025

## Weather realised during past 24 hours ending at 0830 hours IST of 02.07.2025:

- Very heavy rainfall occurred at isolated places in the district of South Gujarat region namely Tapi.
- Heavy rainfall occurred at isolated places in the districts of South Gujarat region namely Valsad and in Dadra Nagar Haveli.
- •Rainfall occurred at many places over South Gujarat region; at a few places over North Gujarat region and Saurashtra; at isolated places over Kutch.

## • Synoptic Situation:

• The monsoon trough at mean sea level passes through Bikaner, Banasthali, Shivpuri, Siddhi, Chaibasa & Digha and thence southeastwards to eastcentral Bay of Bengal.

A trough runs from southeast Rajasthan to northwest Bay of Bengal across central Madhya Pradesh, north Chhattisgarh, the cyclonic circulation over south Jharkhand & neighbourhood, Gangetic West Bengal between 0.9 km & 5.8 km above mean sea level tilting southwards with height persists.

## STATE FORECAST

## WEATHER FORECAST for next 7 days: Valid up to 0830 hours IST of 09/07/2025

Detailed 7 days weather forecast for Gujarat State, Diu, Daman, Dadra & Nagar Haveli is given below

## DAY-1

## (Valid from time of origin to 0830 Hrs. IST of 03/07/2025)

Light to Moderate rain/thundershowers very likely at most places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; at most places in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad and in Daman, Dadara Nagar Haveli; at most places in all the districts of Saurashtra-Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

#### DAY-2

## (Valid from 0830 Hrs. IST of 03/07/2025 to 0830 Hrs. IST of 04/07/2025)

Light to Moderate rain/thundershowers very likely at most places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; at most places in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad, and in Daman, Dadara Nagar Haveli; at most places in all the districts of Saurashtra-Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

DAY-3

## (Valid from 0830 Hrs. IST of 04/07/2025 to 0830 Hrs. IST of 05/07/2025)

Light to Moderate rain/thundershowers very likely at most places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; at most places in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi ,Navsari, Valsad and in Daman, Dadara Nagar Haveli; at most places in all the districts of Saurashtra-Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

#### DAY-4

## (Valid from 0830 Hrs. IST of 05/07/2025 to 0830 Hrs. IST of 06/07/2025)

Light to Moderate rain/thundershowers very likely at most places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; at most places in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad, and in Daman, Dadara Nagar Haveli; at most places in all the districts of Saurashtra-Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

#### DAY-5

## (Valid from 0830 Hrs. IST of 06/07/2025 to 0830 Hrs. IST of 07/07/2025)

Light to Moderate rain/thundershowers very likely at most places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; at most places in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad, and in Daman, Dadara Nagar Haveli; at most places in all the districts of Saurashtra-Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

## DAY-6

## (Valid from 0830 Hrs. IST of 07/07/2025 to 0830 Hrs. IST of 08/07/2025)

Light to Moderate rain/thundershowers very likely at most places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; at most places in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad, and in Daman, Dadara Nagar Haveli; at most places in all the districts of Saurashtra-Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

#### DAY-7

### (Valid from 0830 Hrs. IST of 08/07/2025 to 0830 Hrs. IST of 09/07/2025)

Light to Moderate rain/thundershowers very likely at most places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; at most places in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad, and in Daman, Dadara Nagar Haveli; at most places in all the districts of Saurashtra-Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

## **WEATHER WARNING**

## for next 7 days for Gujarat State Diu, Daman, Dadra & Nagar Haveli

**DAY 1:** 

Heavy to very heavy rain very likely at isolated places in the districts of Gujarat region namely Banaskantha, Sabarkantha, Aravalli, Gandhinagar, Dahod, Mahisagar, Dang, Tapi, Navsari, Valsad and in Daman, Dadara Nagar Haveli.

Heavy rains very likely at isolated places at isolated places in the districts of Gujarat region namely Patan, Mehsana, Kheda, Ahmedabad, Anand, Panchmahal, Vadodara, Chhota Udepur, Narmada, Bharuch and Surat; in the district of Saurashtra- Kutch namely Amreli and Bhavnagar.

Light thunderstorm with lightning and surface wind 30-40 kmph accompanied with light to moderate rain very likely at isolated places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad and in Daman, Dadara Nagar Haveli; in all the districts of Saurashtra- Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

DAY 2: Heavy to very heavy rain very likely at isolated places in the districts of Gujarat region namely Banaskantha and Sabarkantha.

Heavy rains very likely at isolated places at isolated places in the districts of Gujarat region namely Patan, Mehsana, Gandhinagar, Aravalli, Mahisagar, Surat, Dang, Tapi, Navsari, Valsad and in Daman, Dadara Nagar Haveli; in the district of Saurashtra- Kutch namely Amreli, Bhavnagar and in Kutch.

Light thunderstorm with lightning and surface wind 30-40 kmph accompanied with light to moderate rain very likely at isolated places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad and in Daman, Dadara Nagar Haveli; in all the districts of Saurashtra- Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

DAY 3: Heavy rains very likely at isolated places at isolated places in the districts of Gujarat region namely Sabarkantha, Aravalli, Dahod, Mahisagar, Navsari, Valsad and in Daman, Dadara Nagar Haveli; in the district of Saurashtra- Kutch namely Amreli, Bhavnagar, Gir Somnath and in Diu.

Light thunderstorm with lightning and surface wind 30-40 kmph accompanied with light to moderate rain very likely at isolated places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad and in Daman, Dadara Nagar Haveli; in all the districts of Saurashtra- Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

DAY 4: Heavy to very heavy rain very likely at isolated places in the districts of Gujarat region namely Aravalli, Dahod and Mahisagar.

Heavy rains very likely at isolated places at isolated places in the districts of Gujarat region namely Banaskantha, Sabarkantha, Mehsana, Panchmahal, Chhota-Udepur Surat, Dang, Tapi, Navsari, Valsad, and in Daman, Dadara Nagar Haveli; in the district of Saurashtra- Kutch namely Amreli, Bhavnagar, Gir Somnath and in Diu.

Light thunderstorm with lightning and surface wind 30-40 kmph accompanied with light to moderate rain very likely at isolated places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; in all the districts of South Gujarat region namely Vadodara,

Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad, and in Daman, Dadara Nagar Haveli; in all the districts of Saurashtra- Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

DAY 5: Heavy to very heavy rain very likely at isolated places in the districts of Gujarat region namely Sabarkantha, Aravalli, Navsari, Valsad and in Daman, Dadara Nagar Haveli.

Heavy rains very likely at isolated places at isolated places in the districts of Gujarat region namely Banaskantha, Patan, Mehsana, Gandhinagar, Kheda, Ahmedabad, Anand, Panchmahal, Dahod, Mahisagar, Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi; in the district of Saurashtra- Kutch namely Surendranagar, Amreli, Bhavnagar, Gir Somnath, Botad and in Diu.

Light thunderstorm with lightning and surface wind 30-40 kmph accompanied with light to moderate rain very likely at isolated places in all the districts of North Gujarat region namely Banaskantha, Patan, Mehsana, Sabarkantha, Gandhinagar, Aravalli, Kheda, Ahmedabad, Anand, Panchmahal, Dahod and Mahisagar; in all the districts of South Gujarat region namely Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang, Tapi, Navsari, Valsad and in Daman, Dadara Nagar Haveli; in all the districts of Saurashtra- Kutch namely Surendranagar, Rajkot, Jamnagar, Porbandar, Junagadh, Amreli, Bhavnagar, Morbi, Dwarka, Gir Somnath, Botad, Kutch and in Diu.

**DAY 6:** Heavy to very heavy rain very likely at isolated places in the districts of Gujarat region namely Navsari, Valsad and in Daman, Dadara Nagar Havel.

Heavy rains very likely at isolated places at isolated places in the districts of Gujarat region namely Panchmahal, Dahod, Vadodara, Chhota Udepur, Narmada, Bharuch, Surat, Dang and Tapi; in the district of Saurashtra- Kutch namely Amreli, Bhavnagar, Gir Somnath and in Diu.

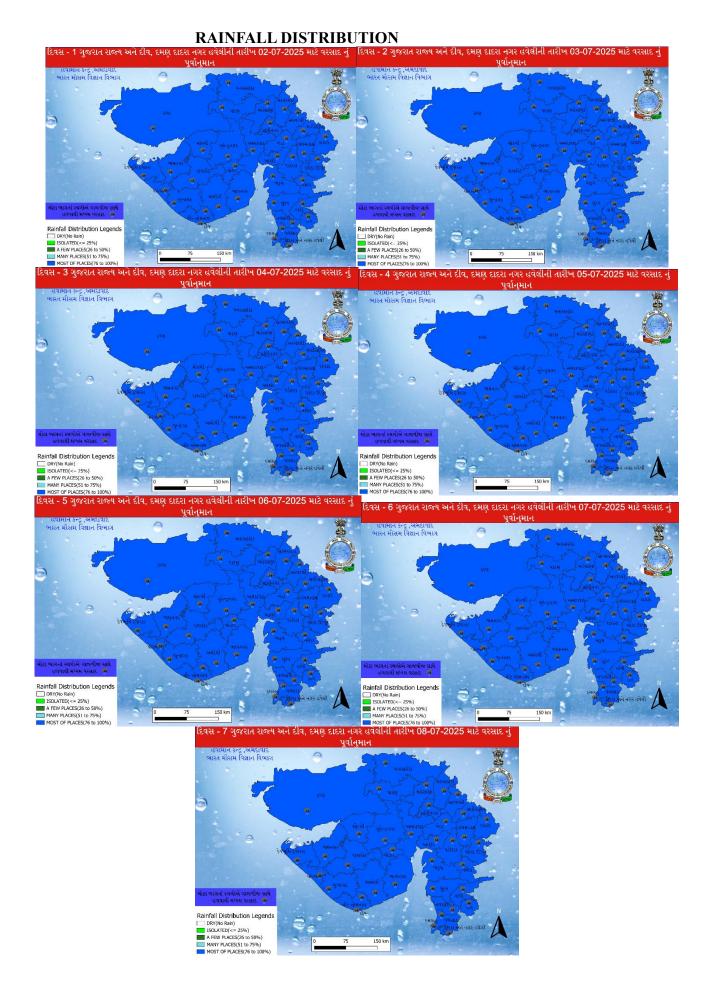
**DAY 7:** Heavy to very heavy rain very likely at isolated places in the districts of Gujarat region namely Dahod, Mahisagar and Chhota Udepur,

Heavy rains very likely at isolated places at isolated places in the districts of Gujarat region namely Aravalli, Panchmahal, Vadodara, Narmada, Surat, Dang, Tapi, Navsari, Valsad and in Daman, Dadara Nagar Haveli; in the district of Saurashtra- Kutch namely Amreli and Bhavnagar

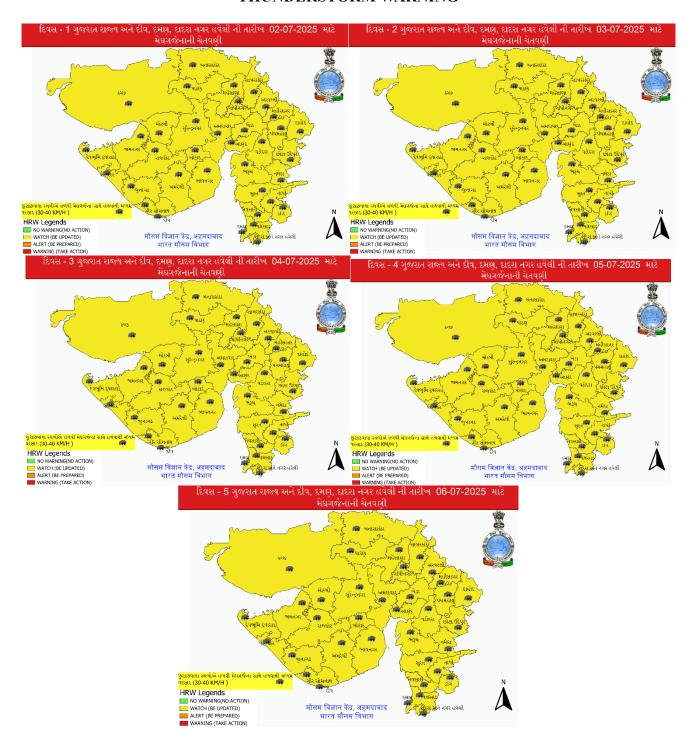
## WEATHER OUTLOOK

For subsequent 2 days (i.e. for day 8 & 9) valid from 0830 hrs. IST of 09/07/2025 to 0830 hrs. IST of 11/07/2025: No large change.

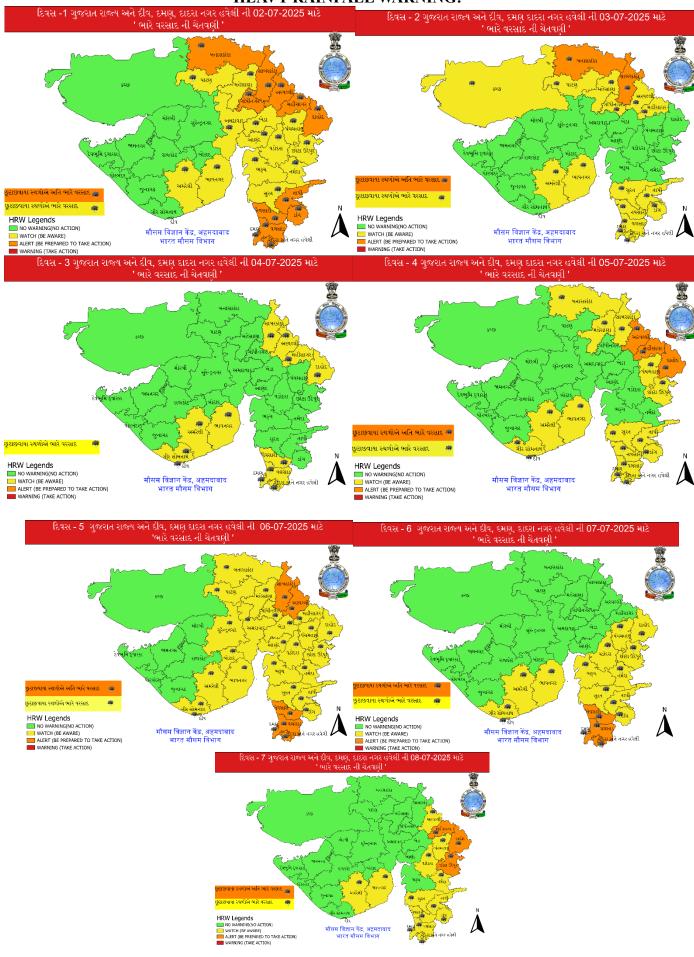
FORECAST FOR AHMEDABAD & NEIGHBOURHOOD valid till 0830 hours IST of 03/07/2025 Light to moderate rain/thundershowers; at times heavy very likely.



## THUNDERSTORM WARNING



## **HEAVY RAINFALL WARNING: -**



# Impact expected and action suggested due to isolated thunderstorm with lightning/gusty & Squally winds & Hailstorm:

#### **Impacts expected Actions suggested** • Breaking of tree branches, uprooting of large • People are advised to keep a watch on the weather avenue trees. Large dead limbs blown from trees. for worsening conditions and be ready to move to Damage to Standing crops. safer places accordingly. • Minor to Major damage to banana and papaya • Stay indoors, close windows & doors and avoid travel if possible. • Minor to major damage to power and • Take safe shelters; do not take shelter under trees. communication lines due to breaking of branches. • Do not lie on concrete floors and do not lean • Strong wind/hail may damage plantation, horticulture and standing crops. against concrete walls. • Hail may injure people and cattle at open places. • Unplug electrical/ electronic appliances. • Partial damage to vulnerable structures due to Immediately get out of water bodies. strong winds. Keep away from all the objects that conduct • Minor damage to kutcha houses/walls and huts. electricity. • Loose objects may fly.

## **Expected Impact with respect to Red Colour warning for rainfall**

- Most of the routes of the city are closed due to waterlogging.
- ➤ Water logging/ flooding in most parts of low-lying areas in the city, Heavy traffic jam problem in all the routes of the city.
- Probability of death due to lightning.
- Slum areas along railway track, river and drain may affect severely.
- ➤ It may lead to riverine flooding along the rivers and respective catchment areas.
- Localized and short-term disruption to municipal services (water, electricity, etc.)
- Possibility of danger to very old buildings and unmaintained structures.
- Falling of trees/branches and advertising hoardings in gusty winds.
- Damage to horticulture crop, plantation and Kharif crops like rice, maize, pearl millet, black gram, banana, saffota, mango etc. in the outskirts of the city.
- **Extensive clogging of drains due to debris flows in drainage areas.**
- Severe disruption to solar energy output.
- ➤ Severe impact on agriculture loss of livestock and significant loss of crops due to flooding and soil erosion impact on economy and livelihoods
- Life threatening, extensive flash flooding of vulnerable areas.
- ➤ Possibility of landslide at hilly areas, due to this, closure of the road and human casualties may be occurred.
- > Fisheries activities may be hampered severely.

## **Expected Impact with respect to Orange colour warning for rainfall**

- ➤ Water logging/ flooding in many parts of low-lying areas in the city, Heavy traffic jam problem in many routes of the city.
- Drain water over flow in many parts of city.
- Probability of damage vulnerable structure and house.
- Possibility of danger to very old buildings and unmaintained structures.
- Falling of trees/branches and advertising hoardings in gusty winds.
- Significant clogging of drains due to debris flows in drainage areas
- Significant disruption to solar energy output.
- ➤ Significant impact to agriculture secure livestock and move small animals to shelter. Some loss of crops in flood or soil erosion prone areas.
- Possible life-threatening flash flooding of vulnerable areas.
- ➤ Inundation of coastal areas coinciding with high tides and Squally weather along the coast and rough sea conditions during cyclone.
- ➤ Possibility of landslide at hilly areas, due to this, closure of the road and human casualties may be occurred.
- Fisheries activities may be hampered.

Expected Impact with respect to Yellow colour warning for rainfall

- Major damage to kuchcha roads due to inundation.
- Major disruption in traffic in city areas.
- ► Inundation of low-lying areas leading to damage to kuchcha houses.
- Water logging in underpass in city areas.
- Sudden reduction in visibility during heavy downpour leading to road accidents.
- Mainly water logging problem found near wetland and marshy land of urban land rural region.

Action suggested during Red, Orange and Yellow warnings for rainfall				
Yellow	Orange	Red		
Traffic may be regulated effectively.	Traffic may be regulated effectively. People in the affected areas may restrict their movement.	Check for traffic congestion on your route before leaving for your destination. Follow any traffic advisories that are issued in this regard. Avoid going to areas that face water logging problem often. Avoid staying in vulnerable structure. People living in very old buildings unmaintained structures and river banks may take caution and move to safer places. People in the affected areas may restrict their movement.		

# Legends: -

Colour Coded Warning
No Warning (No Action)
Watch (Be Aware)
Alert (Be Prepared To Take Action)
Warning (Take Action)

Monsoon Activity			
Category	Met Sub-Division rainfall		
Active	<ul> <li>Rainfall more than 1.5 and less than 4 times of normal.</li> <li>Spatial distribution should be widespread or fairly widespread.</li> <li>At least two stations should record 5 cm or more rainfall for west coast Sub-Divisions and 3 cm or more in case of the other Sub-Divisions.</li> </ul>		
Vigorous	<ul> <li>Rainfall more than 4 times of normal.</li> <li>Distribution should be widespread or fairly widespread.</li> <li>At least two stations should record more than 8 cm of rainfall for west coast Sub-Divisions and 5 cm of rainfall in case of the other Sub-Divisions.</li> </ul>		

# Terminology for Spatial Distribution of rainfall: -

Spatial Distribution of Rainfall	Descriptive term	Criteria for observed/forecast weather
	used	
Dry	Dry	No station reported/expecting rainfall
Isolated	One or two Places	≤25% of stations get/expected to get rainfall
Scattered	At a few Places	(26–50) % of stations get/expected to get rainfall
Fairly Widespread	At many Places	(51–75) % of stations get/expected to get rainfall
Wide spread	At most places	(76–100) % of stations get/expected to get rainfall

# Terminology for intensity of 24 hour accumulated rainfall: -

Terminology	Rainfall (mm)	Rainfall (cm)	
Very light rainfall	Trace -2.4		
Light rainfall	2.5-15.5	Upto 1	
Moderate rainfall	15.6-64.4	2-6	
Heavy Rainfall	64.5- 115.5	7-11	
Very Heavy Rainfall	115.6-204.4	12-20	
Extremely heavy rainfall	Greater than or equal to	21 cm or more	
	204.5 mm		
<b>Exceptionally Heavy Rainfall</b>	When the rainfall observed is a value near about the highest recorded		
	rainfall at or near the station for the month or the season. However,		
	this term will be used only when the actual rainfall amount exceeds		
	12 cm		

# Terminology for probability of occurrence of weather event: -

Term	Probability of occurrence	
Unlikely	Less than 25%	
Likely	25% to 50%	
Very likely	50% to 75 %	
Most likely	more than 75%	

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