



**Government of India  
Ministry of Earth Sciences  
India Meteorological Department**

**Press Release  
Date: 29<sup>th</sup> November, 2021  
Time of Issue: 1415 hrs IST**

**Subject: i) Wet Spell over Gujarat, north Maharashtra and Northwest & adjoining Central India during 01<sup>st</sup>-03<sup>rd</sup> December with intense rainfall activity over Gujarat and adjoining north Konkan and Madhya Maharashtra.  
ii) A Low Pressure Area is likely to form over south Andaman Sea around 30<sup>th</sup> November.**

**Significant Rainfall during past 24 hours recorded at 0830 hrs IST of today: (Annexure I.)**

**Weather Systems and warnings:**

- A trough at mean sea level runs from Southeast Arabian Sea to Eastcentral Arabian Sea off Karnataka coast extending upto lower tropospheric level.
- A Low Pressure Area is likely to form over Eastcentral Arabian sea off Maharashtra coast around 01<sup>st</sup> December, 2021.
- A fresh active Western Disturbance as a trough in mid-latitude westerlies at middle & upper tropospheric levels is likely to affect Northwest & adjoining Central India from the night of 30<sup>th</sup> November, 2021 and its interaction with lower level trough in easterlies winds.
- ✓ Fairly widespread to widespread rain/thunderstorm with isolated **heavy to very heavy rainfall** likely over Gujarat State on 01<sup>st</sup> December and **isolated heavy rainfall** over Gujarat Region on 02<sup>nd</sup> December. **Isolated heavy rainfall** also likely over north Konkan and Madhya Maharashtra on 01<sup>st</sup> December. **(Annexure II)**. For district wise warning **(Annexure III)**
- ✓ Thunderstorm accompanied with lightning at many places likely to occur over the above region with possibilities of isolated hailstorm.
- ✓ Isolated to scattered rainfall accompanied with thunderstorm/lightning likely over West Madhya Pradesh, East Rajasthan, Haryana, West Uttar Pradesh during 01<sup>st</sup>-02<sup>nd</sup> with maximum activity on 02<sup>nd</sup> December. **Isolated heavy rainfall** likely over southeast Rajasthan on 02<sup>nd</sup> December.
- ✓ Scattered to fairly widespread rainfall/snowfall accompanied with isolated thunderstorm/lightning likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan- Muzaffarabad, Uttarakhand and Himachal Pradesh during 01<sup>st</sup>-03<sup>rd</sup> December with maximum activity on 02<sup>nd</sup> December. **Isolated heavy rainfall/snowfall** likely over Uttarakhand on 02<sup>nd</sup> December.

- **Low Pressure Area:**
  - ✓ A **Low Pressure Area** is likely to form over south Andaman Sea by tomorrow, the 30th November. It is likely to move west-northwestwards and concentrate into a Depression over Southeast & adjoining Eastcentral Bay of Bengal during subsequent 48 hours.
  - ✓ Under its influence, **isolated heavy to very heavy rainfall** likely over Andaman & Nicobar Islands during 30<sup>th</sup> November–02<sup>nd</sup> December.
  - ✓ Rainfall activity likely to increase with **isolated heavy to very heavy rainfall** over north Coastal Andhra Pradesh and Odisha from the night of 03<sup>rd</sup> December for subsequent 48 hours.
- **Decrease in rainfall activity over Tamil Nadu from 30<sup>th</sup> November, 2021**
  - ✓ Light to moderate fairly widespread/widespread rainfall very likely over Tamilnadu, Puducherry & Karaikal, Kerala & Mahe and Lakshadweep area and Scattered to fairly widespread rainfall over south Coastal Andhra Pradesh & Yanam, Rayalaseema during next 2 days and **significant decrease thereafter**.
  - ✓ **Isolated heavy to very heavy rainfall** very likely over Tamilnadu, Puducherry & Karaikal on 29<sup>th</sup> November. **Isolated heavy rainfall** very likely over Kerala & Mahe during 29<sup>th</sup>-30<sup>th</sup> November and over Coastal Andhra Pradesh and Rayalaseema on 29<sup>th</sup> November.

#### **Sea Area Warning (Annexure IV):**

- **Squally weather with wind** speed reaching 40-50 kmph gusting to 60 kmph very likely over Comorin-Maldives, Lakshadweep areas and adjoining Southeast Arabian Sea during next 24 hours.
- **Squally weather** with maximum sustained wind speed reaching 40-50 gusting to 60 kmph is likely to prevail over Southeast & adjoining Eastcentral Arabian Sea along & off Kerala-Karnataka on 30<sup>th</sup> and over Northeast & adjoining Eastcentral Arabian Sea and along & off Gujarat-Maharashtra coasts during 01<sup>st</sup>-02<sup>nd</sup> December.
- **Squally weather** with maximum sustained wind speed reaching 40-50 gusting to 60 kmph is likely to prevail over south Andaman Sea on 29<sup>th</sup>; over south Andaman Sea and adjoining southeast Bay of Bengal on 30<sup>th</sup>. Squally wind, speed reaching 45-55 gusting to 65 kmph, over Southeast adjoining Eastcentral Bay of Bengal and Andaman Sea on 01<sup>st</sup> December and wind speed reaching 50-60 gusting to 70 kmph over Central & adjoining Southeast bay of Bengal.
- **Fishermen are advised not to venture into these areas.**

**For more details refer:**

[https://mausam.imd.gov.in/imd\\_latest/contents/subdivisionwise-warning.php](https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php)

**Significant amount of Rainfall** (from 0830 hrs IST of yesterday to 0830 hours IST of today) (7 cm or more):

**Coastal Andhra Pradesh: Nellore:** Gudur-19, Atmakur-18, Rapur & Vinjamur-11 each, Sullurpeta & Tada-10 each, Nellore-9, Venkatgiri-7;

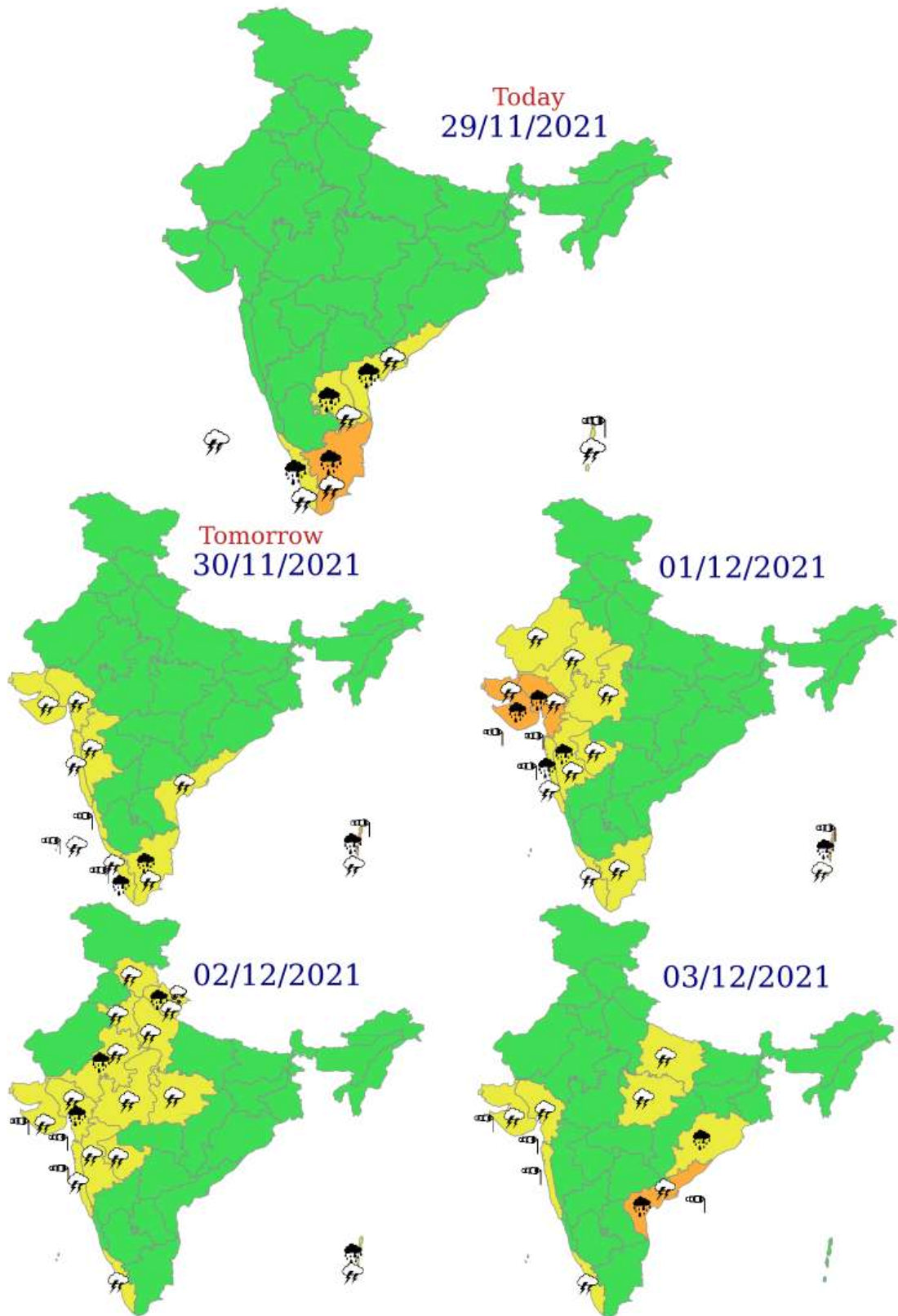
**Rayalseema: Chittor:** Thottambedu-11, Srikalahasti-10; **YSR:** Kodur & Atlur-9 each, Penagaluru-8;

**Kerala & Mahe: Alapuzha:** Alapuzha-15; **Kollam:** Kollam & Kottarakkara-8 each,

**Thiruvananthapuram:** Perumkadavilla-10, Peringmala-9, Neyyattinkara-8;

**Tamilnadu, Puducherry & Karaikal: Chengalpattu:** Mahabalipuram-10; **Chennai:** Chennai AP-7;

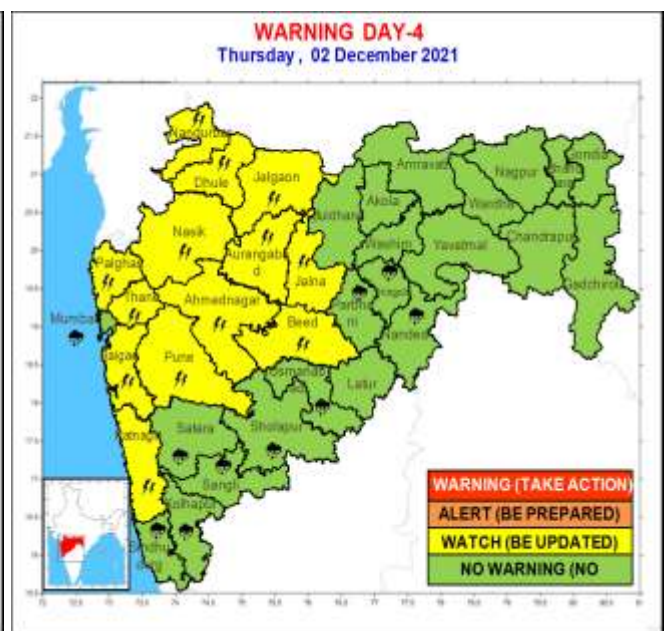
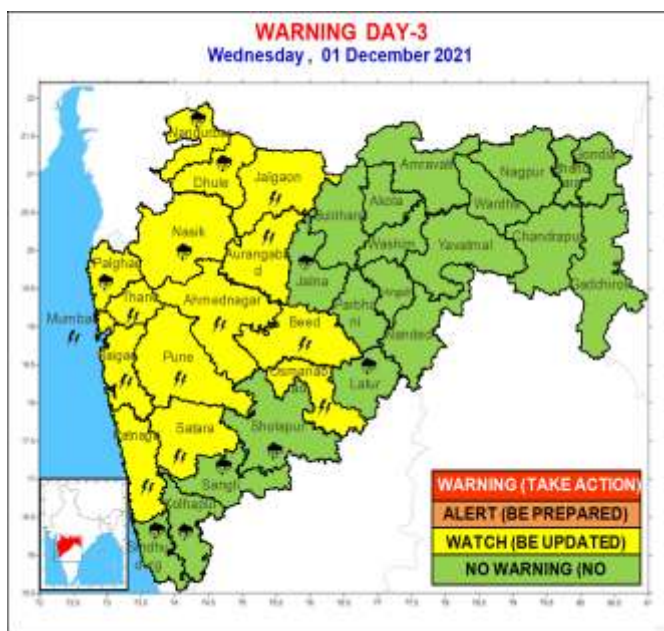
**Cuddalore:** Cuddalore-17, Parangipettai-11, Kurinjipadi & Vepur-9 each, Neyveli, Panruti & Bhuvanagiri-7 each; **Kallakurichi:** Ulundurpet-8; **Kanyakumari:** Chittar-13, thuckalay-11, Kuzhithurai-10, Pechiparai-9; **Kariakal:** Karaikal-8; **Mayiladuthurai:** Sirkali-9, Manalmedu: 8, Tarangambadi-7; **Nagapattinam:** Tirupoondi-9, Vedranyam & Nagapattinam-8 each; **Puducherry:** Puducherry-11; **Ranipet:** Kaveripakkam-9, Wallajah-8; **Tirunelveli:** Papanasam-9; **Tiruvallur:** Uthukottai-12, Tiruttani & Cholavaram-9 each, Poondi-8.



**Annexure III**



**District wise warning for Gujarat State for 01<sup>st</sup> & 02<sup>nd</sup> December, 2021**



**District wise warning for Maharashtra for 01<sup>st</sup> & 02<sup>nd</sup> December, 2021**

**EXPECTED IMPACT & ACTION SUGGESTED due to Isolated Very Heavy Rainfall over Tamilnadu, Puducherry & Karaikal on 29<sup>th</sup> November; over Andaman & Nicobar Islands during 30<sup>th</sup> Nov. & 01<sup>st</sup> December, over Gujarat State on 01<sup>st</sup> December, over north Coastal Andhra Pradesh and Odisha on 03<sup>rd</sup> December, 2021.**

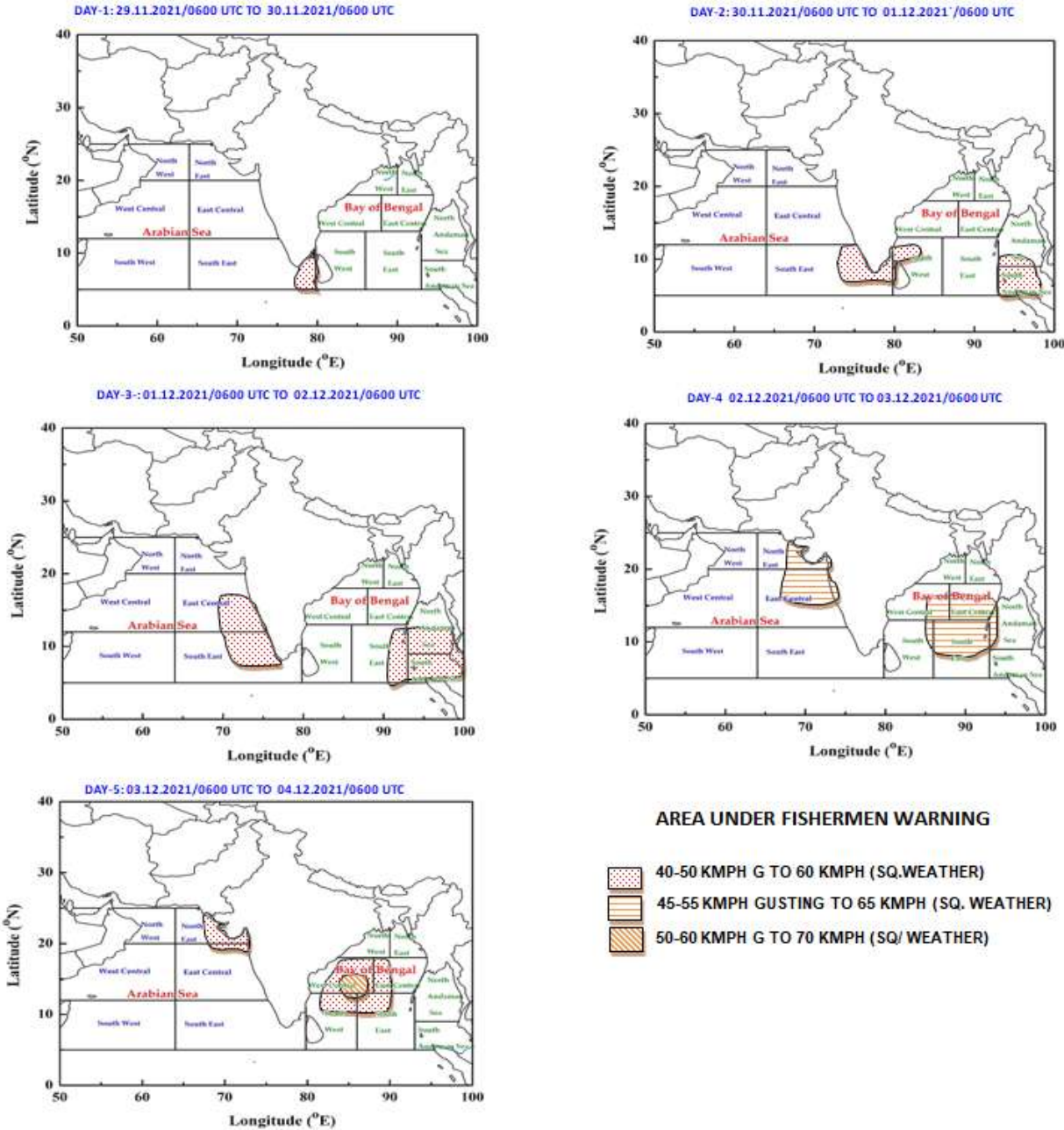
#### **A. Impact Expected**

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Landslides/Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

#### **B. Action Suggested**

- 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 the water logging problems often.
- Avoid staying in vulnerable structure.

**INDIA METEOROLOGICAL DEPARTMENT  
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA**



## Legends:

**Heavy Rain:** 64.5 to 115.5 mm; **Very Heavy Rain:** 115.6 to 204.4 mm; **Extremely Heavy Rain:** >204.4 mm.

### Region wise classification of meteorological Sub-Divisions:

- 1) **Northwest India:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, Uttarakhand, Punjab, Haryana, Chandigarh & Delhi; West Uttar Pradesh, East Uttar Pradesh, West Rajasthan and East Rajasthan.
- 2) **Central India:** West Madhya Pradesh, East Madhya Pradesh, Vidarbha and Chhattisgarh.
- 3) **East India:** Bihar, Jharkhand, Sub-Himalayan West Bengal & Sikkim; Gangetic West Bengal, Odisha and Andaman & Nicobar Islands.
- 4) **Northeast India:** Arunachal Pradesh, Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 5) **West India:** Gujarat Region, Saurashtra & Kutch, Konkan & Goa, Madhya Maharashtra and Marathwada.
- 6) **South India:** Coastal Andhra Pradesh & Yanam, Telangana, Rayalaseema, Coastal Karnataka, North Interior Karnataka, South Interior Karnataka, Kerala & Mahe, Tamil Nadu, Puducherry & Karaikal and Lakshadweep.

SPATIAL DISTRIBUTION (% of Stations reporting)			
% Stations	Category	% Stations	Category
76-100	Widespread (WS/ Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)



Heavy Rain

Strong Winds

### WARNING

WARNING (TAKE ACTION)
ALERT (BE PREPARED)
WATCH (BE UPDATED)
NO WARNING (NO ACTION)



Thunderstorm with Lightning



Visibility/Fog

### Probabilistic Forecast

Terms	Probability of Occurrence (%)
Unlikely	< 25
Likely	25 - 50
Very Likely	50 - 75
Most Likely	> 75