



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

**Press Release
Date: 02nd December, 2021
Time of Issue: 1430 hrs IST**

Subject:

(i) The Well Marked Low Pressure Area over Southeast Bay of Bengal likely to concentrate into a Depression during next 12 hours and intensify into a Cyclonic Storm over central parts of Bay of Bengal during subsequent 24 hours.

(ii) Wet Spell over Gujarat, north Madhya Maharashtra and Konkan to decrease from tomorrow and a fresh Wet Spell over Western Himalayan Region and adjoining plains of Northwest India during 04th-06th December.

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

(i) The Well Marked Low Pressure Area over Southeast Bay of Bengal likely to concentrate into a Depression during next 12 hours and intensify into a Cyclonic Storm over central parts of Bay of Bengal during subsequent 24 hours.

Yesterday's Low Pressure area over central parts of Andaman Sea moved west-northwestwards and became a Well marked Low Pressure Area over southeast Bay of Bengal & adjoining Andaman Sea in the early morning (0530 hrs IST) of today, the 2nd December 2021. It lay over southeast Bay of Bengal at 0830 hrs IST of today. It is likely to move west-northwestwards and concentrate into a Depression over southeast & adjoining east-central Bay of Bengal during next 12 hours. Then it is likely to move northwestwards and intensify into a Cyclonic Storm over central parts of the Bay of Bengal during the subsequent 24 hours. It is likely to reach west-central Bay of Bengal off north Andhra Pradesh – south Odisha coasts around 4th December morning. Thereafter it is likely to move north-northeastwards.

Rainfall warning: (Annexure II.)

2nd Dec.: Light to moderate rainfall at most places with heavy rainfall at isolated places likely over Andaman & Nicobar Islands.

3rd Dec.: Light to moderate rainfall at many places with heavy to very heavy rainfall at isolated places over south coastal Odisha and heavy rainfall at isolated places over north coastal Andhra Pradesh.

4th Dec.: Light to moderate rainfall at most places with heavy to very heavy rainfall & extremely heavy falls at isolated places very likely over south Odisha and north coastal Andhra Pradesh and heavy to very heavy rainfall at isolated places over north coastal Andhra Pradesh, north & interior districts of Odisha and also over Gangetic west Bengal.

5th Dec.: Light to moderate rainfall at many places with heavy to very heavy rainfall at isolated places likely over West Bengal & Odisha and heavy rainfall at isolated places over Assam & Meghalaya and Tripura.

6th Dec.: Light to moderate rainfall at many places with heavy to very heavy rainfall at isolated places likely over Assam & Meghalaya, Mizoram and Tripura.

Wind warning:

- Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to prevail over southeast Bay of Bengal & adjoining Andaman Sea during next 6 hours.
- It would further increase to wind speed reaching 50-60 kmph gusting to 70 kmph over southeast & adjoining east-central Bay of Bengal, from today, the 2nd December evening.
- Gale winds speed reaching 65-75 kmph gusting to 85 kmph likely to prevail over central Bay of Bengal from the morning of 3rd December and gradually increase becoming 90-100 kmph gusting to 110 kmph over northwest & adjoining west-central Bay of Bengal from the morning of 4th December for the subsequent 24 hours.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph likely to commence along & off North Andhra Pradesh – Odisha coasts from the mid-night of 3rd December and increase gradually becoming 70-80 kmph gusting to 90 kmph from 4th morning, for the subsequent 12 hours.
- Squally wind speed reaching 45-55 kmph gusting to 65 kmph also likely to commence along & off West Bengal coast from 4th December morning and become Gale wind speed reaching 60-70 kmph gusting to 80 kmph from the evening of 4th December for the subsequent 12 hours.

Sea condition:

- Sea condition will be rough to very rough over Andaman Sea, along & off Andaman & Nicobar Islands and adjoining southeast Bay of Bengal, during next 6 hours.
- Sea condition would become very rough to High over southeast & adjoining east-central Bay of Bengal, Andaman & Nicobar Islands & Andaman Sea from today evening for the subsequent 12 hours.
- Sea condition would be High over central Bay of Bengal on 3rd December and High to very High over west-central & northwest Bay of Bengal from the early morning of 4th December for the subsequent 24 hours.
- Sea condition will be rough to very rough over along & off North Andhra Pradesh – Odisha coast from the mid-night of 3rd December and become High to very High from 4th Afternoon, for the subsequent 12 hours. It will be very rough to High along & off West Bengal coast from 4th morning and High to very High from the same evening for the subsequent 12 hours.

Fishermen Warning: (Annexure III)

Fishermen are advised not to venture into Andaman Sea on 2nd December 2021, into southeast & adjoining east-central Bay of Bengal on 2nd & 3rd December, over west-central & northwest Bay of Bengal and along & off north Andhra Pradesh - Odisha- West Bengal coasts during 3rd - 5th December 2021.

Fishermen out at Sea are advised to return to coast with immediate effect.

Advisory to along & off shore Installations

The off-shore & alongshore operations along north Andhra Pradesh, Odisha & West Bengal coasts are advised to be judiciously regulated on 3rd December and to be suspended on 4th December 2021, to ensure safety of life & property.

(ii) Wet Spell over Gujarat, north Madhya Maharashtra and Konkan to decrease from tomorrow and a fresh Wet Spell over Western Himalayan Region and adjoining plains of Northwest India during 04th-06th December.

- A trough in lower levels runs from Southeast Arabian Sea to the cyclonic circulation over Northeast Arabian Sea off south Gujarat-north Konkan coasts.
- A Western Disturbance seen as a cyclonic circulation over north Pakistan & neighbourhood at 3.1 km above mean sea level with a trough aloft in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level roughly along Long. 66°E to the north of Lat. 12°N.
- Another Western Disturbance likely to affect Northwest India from the night of 04th December.

Forecast & Warnings:

- (i) Scattered to fairly widespread light to moderate rain/thunderstorm likely over north Madhya Maharashtra and with isolated **heavy falls** over south Gujarat Region and Konkan during next 24 hours and dry weather over the region thereafter.
- (ii) Scattered to fairly widespread rainfall/snowfall very likely over Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Uttarakhand and Himachal Pradesh during 04th-06th December.
- (iii) Isolated light rainfall very likely over Punjab, Haryana, Chandigarh, Delhi and West Uttar Pradesh on 05th December.

For more details refer:

https://mausam.imd.gov.in/imd_latest/contents/subdivisionwise-warning.php

https://rsmcnewdelhi.imd.gov.in/uploads/archive/1/1_e71398_SPECIAL%20MESSAGE%20dated%2030-11-21.pdf

EXPECTED IMPACT & ACTION SUGGESTED due to;

- I. Isolated **Extremely Heavy Rainfall** over Odisha on 04th December;
- II. **Very Heavy Rainfall** over north Coastal Andhra Pradesh on 03rd & 04th December; over Gangetic West Bengal 04th & 05th and Odisha on 03rd & 05th 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 affected 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 kutchha 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)

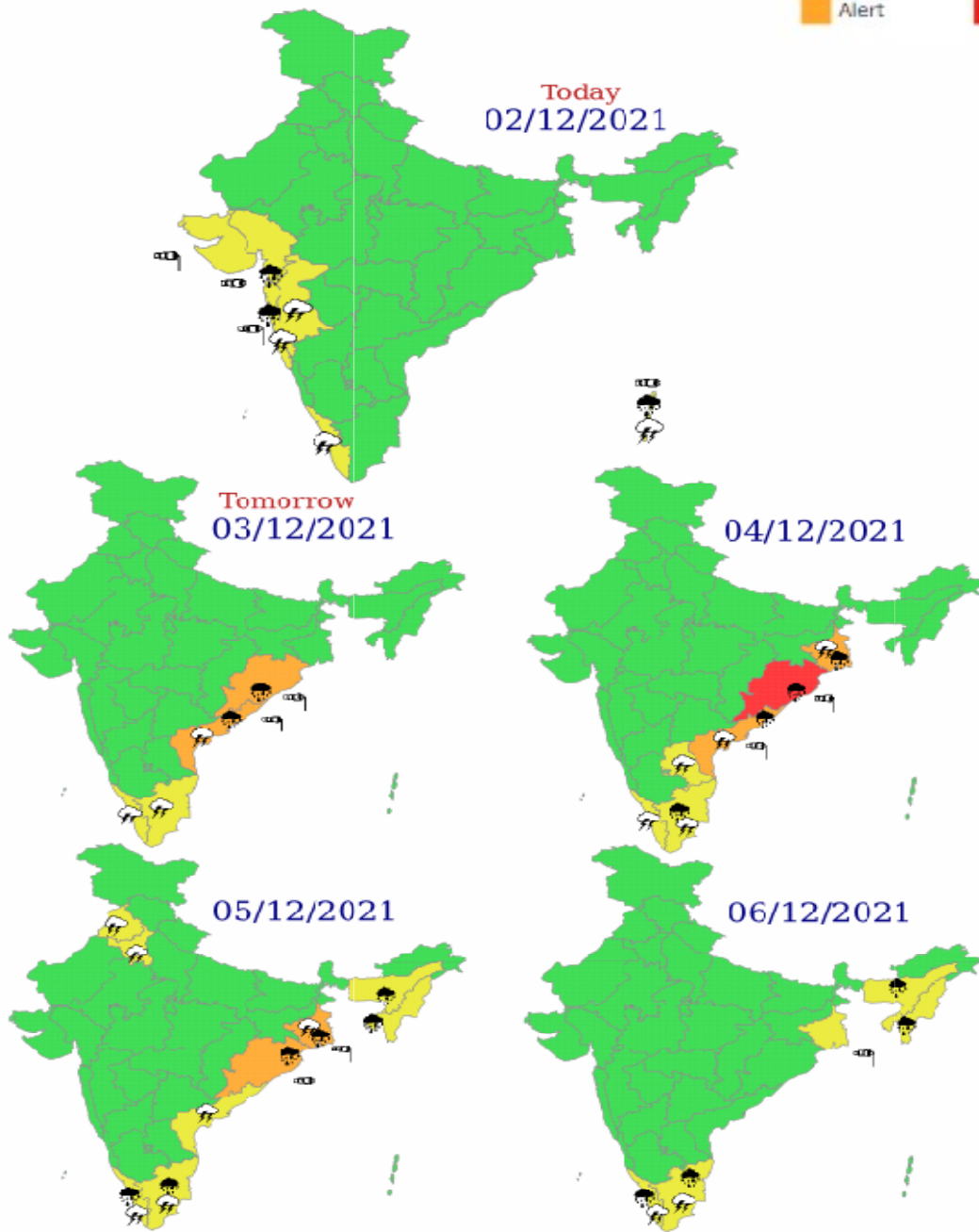
B. Action Suggested

- 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.
- Harvest the ripen crops like Paddy & Horticultural crops and also secure the harvested crops securely from the damage due to rain and strong winds.

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

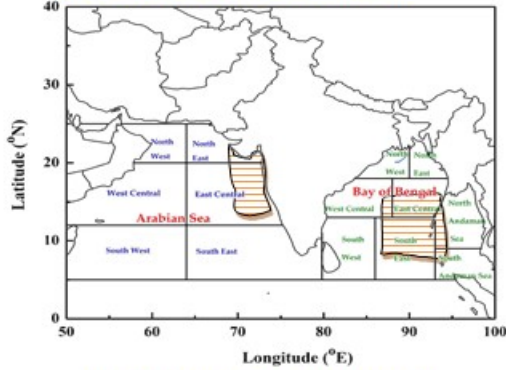
- **Gujarat Region:** **Surat:** Umerpada-15, Mahuva-8, Palsana-7; **Daman:** Daman-11; **Valsad:** Valsad-10, Pardi-9, Kaprada & Umergam-8 each; **Dadra & Nagar Haveli:** Khanvel-9; **Navsari:** Khergam-9, Navsari & Chikhli-7 each; **Dangs:** Dangs & Waghai-7 each
- **Konkan & Goa:** **Sindhudurg:** Malvan-15, Palghar- Dahanu, Palghar-11 each, Talasari, Vikramgad -10 each, Wada-9, Mokheda-7, **south Konkan:** Margao-10, **North Goa:** Panjim-10, **Mumbai:** Santacruz-9, Colaba-9, **Raigad:** Panvel-9, Murud-8, Tala, Alibag, Matheran, Shriwardhan, Uran, Mangaon, Roha, Khalapur, Karjat-7 each; **Thane:** Ambernath-7
- **Madhya Maharashtra:** **Satara:** Khandala-13, Satara, Mahabaleshwar-9 each, **Pune:** Chinchwad-10, Purandar-9, Pune, Velhe, Ambegaon Ghodegaon, Vadgaon Maval, Junnar-7 each; **Ahmednagar:** Akole-9; **Dhule:** Dhule-8; **Kolhapur:** Panhala, Karvir, Hatkanangali-7 each
- **Kerala:** **Palakkad:** Alathur-7.
- **Andaman & Nicobar Islands:** Hut Bay-9.

(Annexure II)

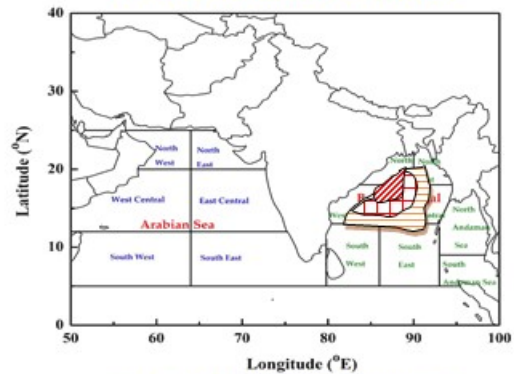


INDIA METEOROLOGICAL DEPARTMENT
FISHERMAN WARNING FOR BAY OF BENGAL AND ARABIAN SEA

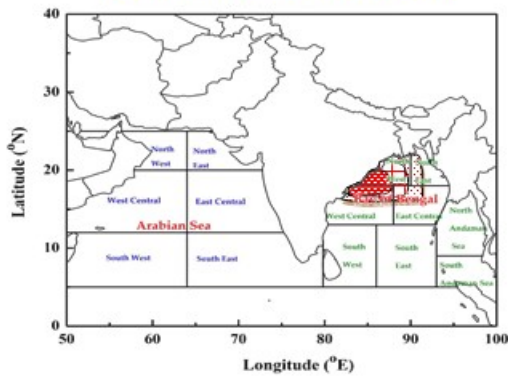
DAY-1: 02.12.2021/0600 UTC TO 03.12.2021/0600 UTC



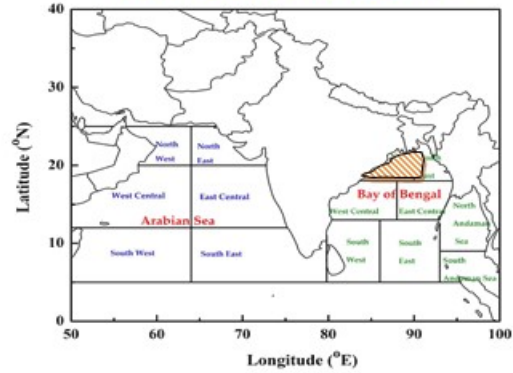
DAY-2: 03.12.2021/0600 UTC TO 04.12.2021/0600 UTC



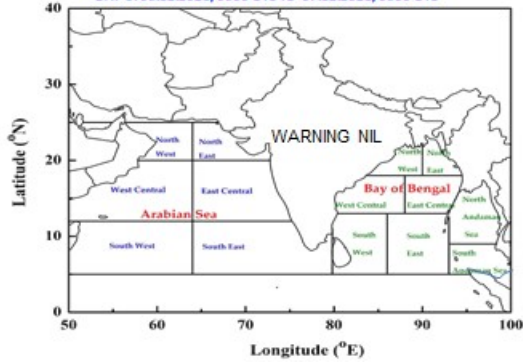
DAY-3: 04.12.2021/0600 UTC TO 05.12.2021/0600 UTC



DAY-4: 05.12.2021/0600 UTC TO 06.12.2021/0600 UTC



DAY-5: 06.12.2021/0600 UTC TO 07.12.2021/0600 UTC



AREA UNDER FISHERMEN WARNING

-  40-50 KMPH G TO 60 KMPH (SQ.WEATHER)
-  45-55 KMPH GUSTING TO 65 KMPH
-  50-60 KMPH G TO 70 KMPH
-  60-70 KMPH G TO 80 KMPH
-  70-80 KMPH G TO 90 KMPH
-  80-90 KMPH G TO 95 KMPH
-  90-100 KMPH G TO 110 KMPH

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



Thunderstorm with Lightning

WARNING

WARNING (TAKE ACTION)

ALERT (BE PREPARED)

WATCH (BE UPDATED)

NO WARNING (NO ACTION)

Probabilistic Forecast

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