



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

Press Release

Date: 05th December, 2021

Time of Issue: 1245 hrs IST

Subject:

- (i) Deep Depression (remnant of Cyclonic Storm 'JAWAD') likely to weaken into a Depression and reach Odisha coast near Puri during next 06 hours.**
- (ii) A fresh Wet Spell over Western Himalayan Region & adjoining plains of Northwest India on 05th & 06th December, 2021.**

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

- (i) Deep Depression (remnant of Cyclonic Storm 'JAWAD') likely to weaken into a Depression and reach Odisha coast near Puri during next 06 hours.**

The **Deep Depression (remnant of Cyclonic Storm 'JAWAD')** over northwest and adjoining westcentral Bay of Bengal moved north-northeastwards with a speed of 20 kmph during past 06 hours, and lay centered at 0830 hrs IST of today, the 05th December 2021, over northwest and adjoining westcentral Bay of Bengal near Lat. 18.7°N and Long. 85.6°E, about 270 km east-northeast of Vishakhapatnam (Andhra Pradesh), 90 km east-southeast of Gopalpur (Odisha), 120 km south-southwest of Puri (Odisha) and 210 km south-southwest of Paradip (Odisha).

It is likely to move north-northeastwards, **weaken further into a Depression** and reach Odisha coast near Puri during next 6 hours. Subsequently, it is likely to continue to move north-northeastwards along Odisha coast towards West Bengal coast and weaken into a well marked low pressure area around mid-night of 5th December 2021.

Warnings:

(i) Rainfall (Annexure II)

5th Dec.: Light to moderate rainfall at most places with **heavy to very heavy rainfall at isolated places** likely over north coastal & adjoining areas of Odisha & Gangetic West Bengal. **Heavy rainfall at** isolated places is also likely over south coastal Odisha during next 12 hours.

6th Dec.: Light to moderate rainfall at many places with **heavy to very heavy rainfall at isolated places** likely over south Assam & Meghalaya, Mizoram and Tripura and **heavy rainfall at** isolated places over eastern districts of Gangetic West Bengal.

(ii) Wind warning (Annexure III)

- Squally wind speed reaching 50-60 kmph gusting to 70 kmph prevails over northwest and adjoining westcentral Bay of Bengal. It would gradually decrease becoming 40-50 kmph gusting to 60 kmph over northwest and adjoining westcentral Bay of Bengal by evening of today, the 5th December. It would decrease further becoming 30-40 kmph gusting to 50 kmph over northwest Bay of Bengal by night of today, the 5th December.
- Squally winds speed reaching 45-55 kmph gusting to 65 kmph likely to prevail along & off North Andhra Pradesh coast during next 06 hours and along & off Odisha – West Bengal coasts during next 24 hours.

(iii) Sea condition

Rough to very rough Sea conditions likely to prevail over northwest Bay of Bengal and along & off Odisha & West Bengal coasts during next 24 hours and adjoining west-central Bay of Bengal and along & off North Andhra Pradesh coast during next 12 hours.

(iv) Fishermen Warning

Fishermen are advised not to venture into northwest Bay of Bengal, along & off Odisha- West Bengal coasts during next 24 hours and along and adjoining west-central Bay of Bengal along & off north Andhra Pradesh coast during next 12 hours.

(v) Advisory to along & off shore Installations

The off-shore & alongshore operations along & off Odisha & West Bengal coasts are advised to be regulated till evening of today, the 05th December 2021.

(ii) A fresh Wet Spell over Western Himalayan Region and adjoining plains of Northwest India on 05th & 06th December.

- A Western Disturbance as trough in mid & upper tropospheric westerlies with its axis at 5.8 km above mean sea level runs roughly along Long. 65°E to the north of Lat. 28°N. It is likely to cause light to moderate widespread rainfall/snowfall over Jammu-Kashmir- Ladakh- Gilgit- Baltistan- Muzaffarabad, Himachal Pradesh and Uttarakhand on today, the 05th December and light isolated to scattered rainfall/snowfall on 06th. **Isolated heavy rainfall/snowfall** is likely over Kashmir-Gilgit-Baltistan-Muzaffarabad during next 24 hours.
- Light isolated rainfall very likely over Punjab on 05th & 06th Haryana, Chandigarh, Delhi and West Uttar Pradesh on 05th December.
- No significant change in minimum temperatures over Northwest, Central and East India during next 24 hours and fall by 3-5°C thereafter.

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

Significant amount of Rainfall (from 0830 hrs IST of yesterday to 0830 hours IST of today) (5 cm or more):

- **Odisha:** Ganjam: Chhattarpur-9, Purushottampur-8, Behrampur, Digapahandi, Gopalpur-6 each; Khurda: Banpur-8; **Jagatsinghpur:** Paradip CWR-6, Balikuda-5; Nayagarh: Nayagarh-6; Puri: Astaranga-5; Kendrapada: Garadapur-5; Cuttack: Kantapada-5; Jajpur: Chandikhola-5
- **Tamilnadu:** **Erode:** Kodumudi-9; **Coimbatore:** Coimbatore-7, Chinnakalar-5; **Tirunelveli:** Nanguneri-6; **Toothukudi:** Ettayapuram-6; **Virudhunagar:** Vembakottai-5
- **Kerala:** **Idukki:** Peermade-5

EXPECTED IMPACT & ACTION SUGGESTED due to;

- I. **Isolated Very Heavy Rainfall over north Odisha (Gajapati, Ganjam, Puri, Khurda, Cuttack, Jagatsinghpur & Kendrapara districts of Odisha) during next 12 hours) and over Gangetic West Bengal during next 24 hours.**

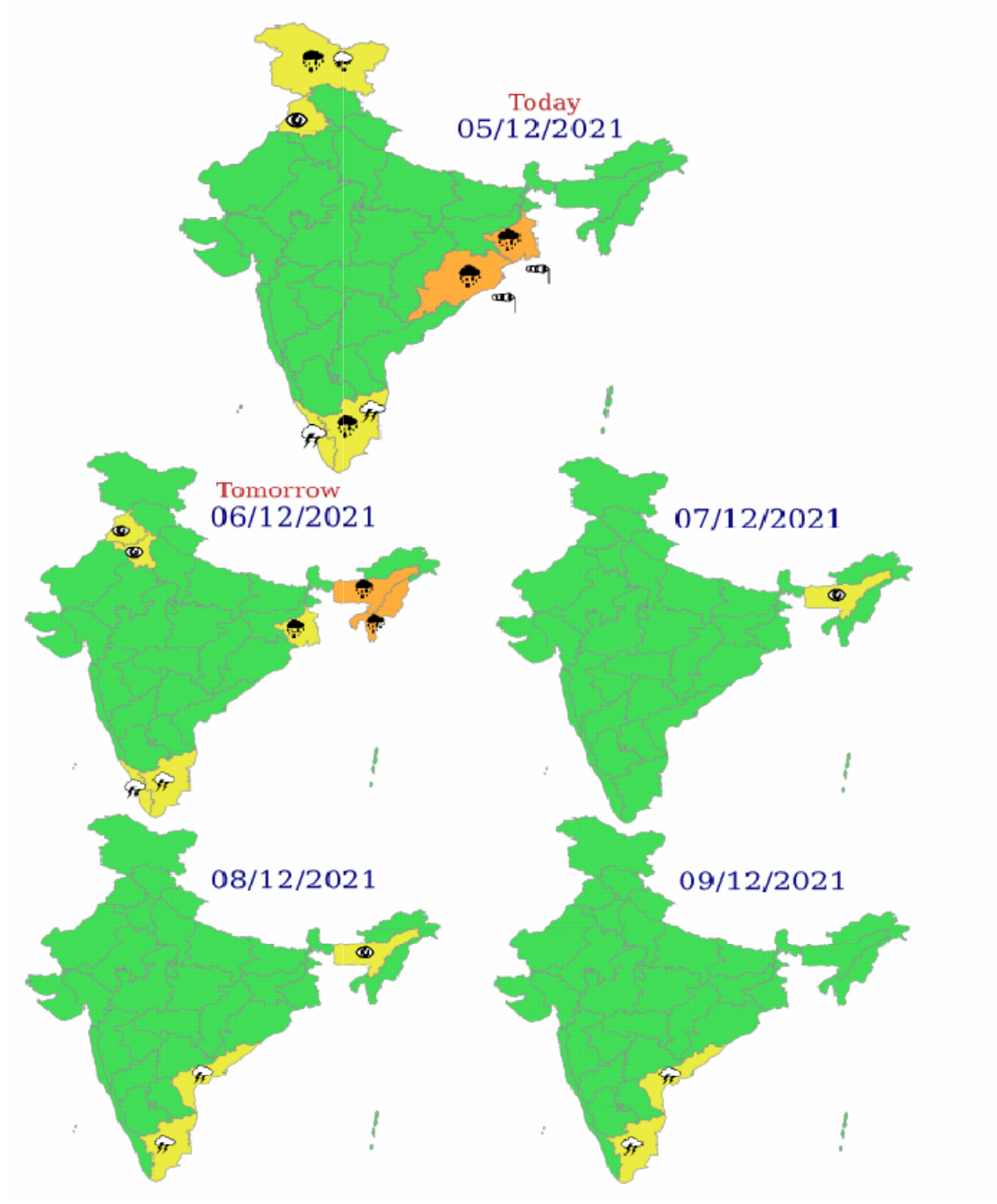
A. Impact Expected

- **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 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)**

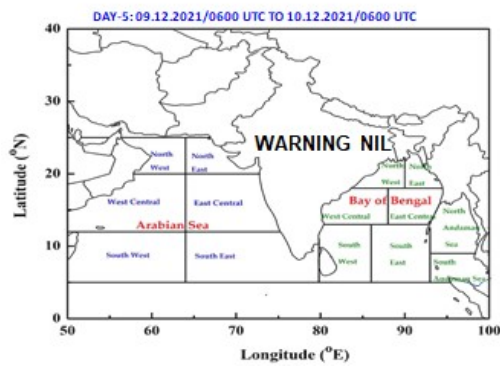
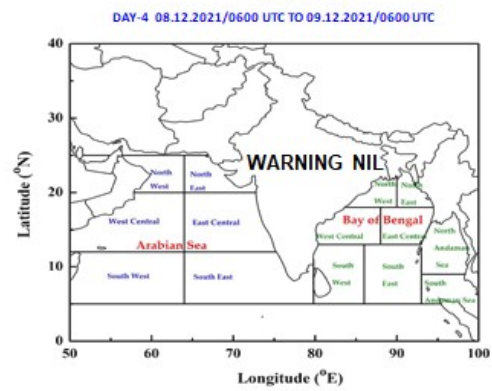
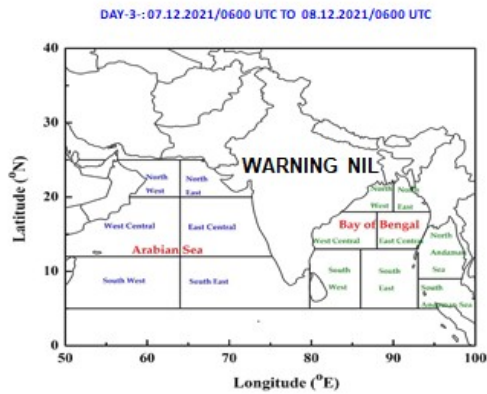
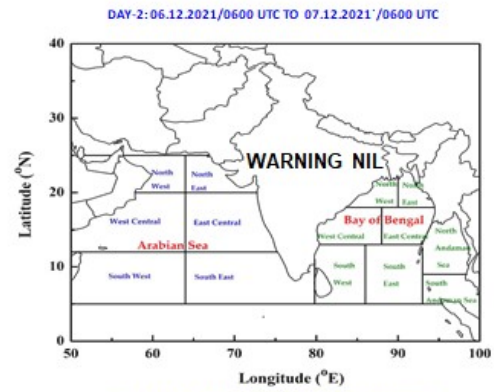
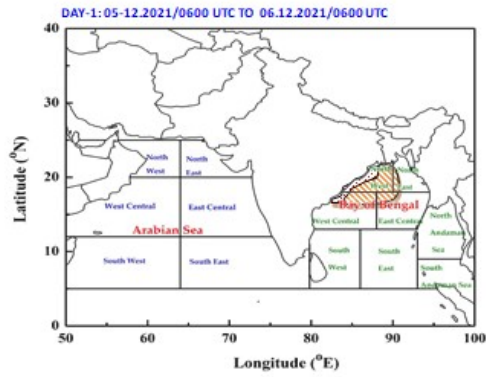
B. Action Suggested

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

Annexure II



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



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)



 **Thunderstorm with Lightning**

 **Visibility/Fog**

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