



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

**Press Release  
Date: 17<sup>th</sup> December, 2022  
Time of Issue: 1215 hrs IST**

**Subject: (i) Depression over Westcentral Arabian Sea;  
(ii) Low Pressure Area over Southeast Bay of Bengal & adjoining East Equatorial Indian Ocean;  
(iii) Cold wave conditions likely to continue over Himachal Pradesh, Punjab, west Haryana, north Rajasthan during next 4 days.**

**Weather observed during past 24 hours ending at 0830 hrs IST of today:**

- ❖ **Minimum temperatures** are in the range of 5-9° C over many parts and below normal over some parts of Punjab, Haryana, Chandigarh, Delhi, north Rajasthan, West Uttar Pradesh and Northwest Madhya Pradesh.
- ❖ **Moderate rainfall** recorded at isolated places over Nicobar Islands.
- ❖ **Significant amount of rainfall** recorded (in cm): Nancowry (Nicobar) 6 cm.
- ❖ **Cold wave conditions** observed in isolated pockets over Punjab, north Rajasthan and Himachal Pradesh.

**Weather systems and forecast & warning:**

**(1) Depression over Westcentral Arabian Sea (refer Annexure III)**

Yesterday's Deep Depression over Eastcentral & adjoining Westcentral Arabian Sea weakened into a Depression at 1730 hours IST of yesterday, the 16<sup>th</sup> December 2022. It lay as a Depression centered at 0830 hrs IST of today, the 17<sup>th</sup> December 2022 over Westcentral Arabian Sea near latitude 14.0°N and longitude 61.9°E about 1220 km west-northwest of Aminidivi (Lakshadweep), 1300 km west-southwest of Panjim (Goa) and 900 km east-southeast of Salalah (Oman).

It is very likely to move nearly westwards and weaken into a well marked low pressure area during next 12 hours.

**Under its influence:**

**(i) Wind warning (warning graphics enclosed)**

- **Westcentral Arabian Sea: Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph** is prevailing near the system center. It is likely to decrease gradually becoming **40-50 kmph gusting to 60 kmph during next 06 hours** and will decrease further becoming 25-35 kmph gusting to 45 kmph during subsequent 12 hours.
- **Southwest Arabian Sea: Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph** is prevailing over the region and is likely to become **40-50 kmph gusting to 60 kmph** during next 06 hours and gradually decrease thereafter.

**(ii) Sea Condition**

- ❖ **Westcentral Arabian Sea: Sea Condition** is likely to be rough during next 12 hours and improve thereafter.
- ❖ **Southwest Arabian Sea: Sea Condition** is likely to be rough during next 12 hours and improve thereafter.

### (iii) Fishermen Warning

- ❖ Fishermen are advised not to venture into **Westcentral & Southwest Arabian Sea** till 18<sup>th</sup> December, morning.

### (2) Low pressure area over Southeast Bay of Bengal & adjoining East Equatorial Indian Ocean

The **Low Pressure Area** over Southeast Bay of Bengal & adjoining East Equatorial Indian Ocean persists over the same region at 0830 hours IST of today, the 17<sup>th</sup> December. It is likely to move westwards over South Bay of Bengal during next 48 hours.

#### Warnings:

##### (i) Wind warning:

- ❖ **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph** is very likely over South Andaman Sea and adjoining North Andaman Sea during 17<sup>th</sup> to 19<sup>th</sup> December.
- ❖ **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph** is likely over Southeast Bay of Bengal on 17<sup>th</sup> & 18<sup>th</sup> December.
- ❖ **Squally weather with wind speed reaching 40-45 kmph gusting to 55 kmph** is likely to prevail over central parts of South Bay of Bengal on 18<sup>th</sup> December and over Southwest Bay of Bengal, along and off Sri-Lanka coast and Gulf of Mannar on 19<sup>th</sup> & 20<sup>th</sup> December.

##### (ii) Sea condition: Sea condition is likely to be rough over

- ❖ South Andaman Sea and adjoining North Andaman Sea during 17<sup>th</sup> to 19<sup>th</sup> December.
- ❖ Southeast Bay of Bengal on 17<sup>th</sup> & 18<sup>th</sup> December.
- ❖ Southwest Bay of Bengal and along and off Sri-Lanka coast & Gulf of Mannar on 17<sup>th</sup> & 18<sup>th</sup> December.

##### (iii) Fishermen Warning (warning graphics enclosed)

Fishermen are advised not to venture into:

- ❖ South Andaman Sea & adjoining North Andaman Sea during 17<sup>th</sup> to 19<sup>th</sup> December.
- ❖ Southeast Bay of Bengal on 17<sup>th</sup> & 18<sup>th</sup> December.
- ❖ Southwest Bay of Bengal and along and off Sri-Lanka coast & Gulf of Mannar on 17<sup>th</sup> & 18<sup>th</sup> December.

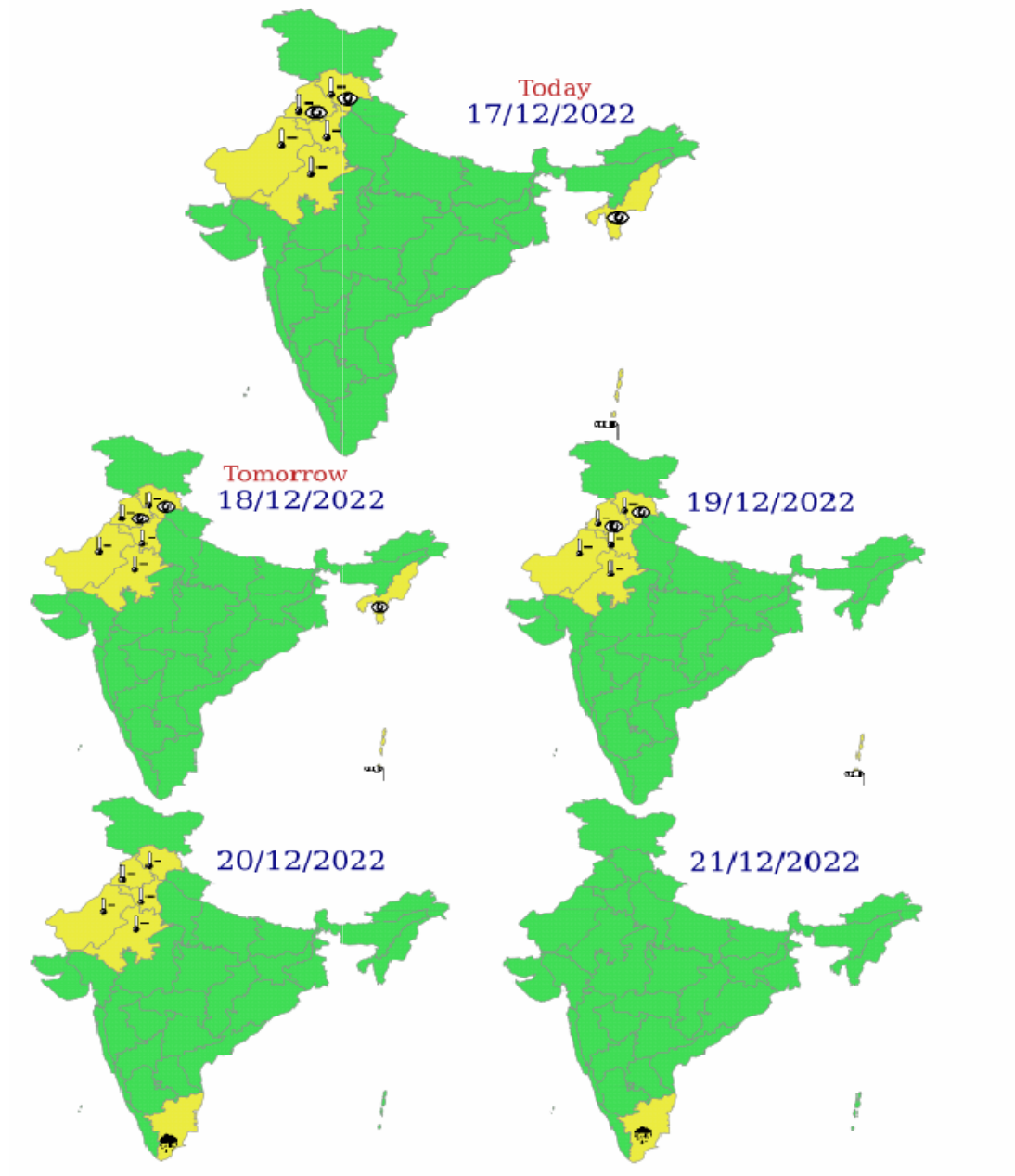
##### (iv) Rainfall Warning:

- ❖ Heavy rainfall at isolated places likely over south Tamil Nadu on 20<sup>th</sup> & 21<sup>st</sup> December, 2022.

### (3) Minimum Temperature, Cold wave & Fog Forecast :

- ❖ Gradual fall by 2-4°C in minimum temperatures likely over many parts of interior Maharashtra, south Gujarat region and south Madhya Pradesh during next 3 days and no significant change thereafter. No significant change in minimum temperatures likely over remaining parts of the country during next 4-5 days.
- ❖ **Cold wave conditions** in isolated pockets very likely over Himachal Pradesh, Punjab, western parts of Haryana and north Rajasthan during next 4 days.
- ❖ **Dense fog** in isolated pockets very likely over Himachal Pradesh, Punjab and Tripura during next 2 days.

For more details kindly refer: [https://mausam.imd.gov.in/imd\\_latest/contents/all\\_india\\_forecast\\_bulletin.php](https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php)



**Fishermen warning graphics**

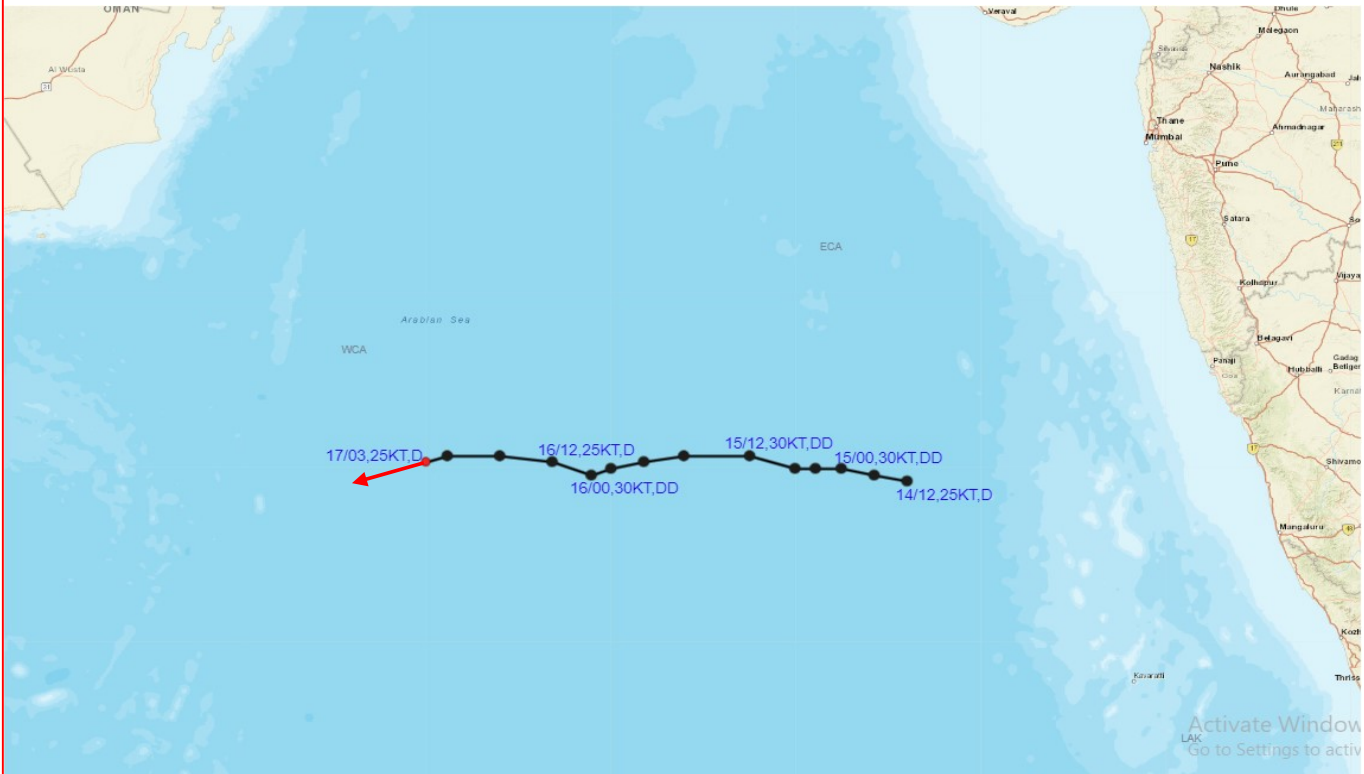


Squally WX with wind speed 40-45 kmph gusting to 55 kmph

**Fishermen are advised not to venture into the marked areas.**



**OBSERVED AND FORECAST TRACK OF DEPRESSION OVER WESTCENTRAL ARABIAN SEA BASED ON 0300 UTC OF 17<sup>TH</sup> DECEMBER, 2022**



**DATE/TIME IN UTC**  
**IST=UTC + 0530**  
**L: LOW PRESSURE AREA**  
**WML: WELL MARKED LOW PRESSURE AREA**  
**D: DEPRESSION (17-27 KT)**  
**DD: DEEP DEPRESSION (28-33 KT)**  
**CS: CYCLONIC STORM (34-47 KT)**  
**SCS: SEVERE CYCLONIC STORM (48-63KT)**  
**VSCS: VERY SEVERE CYCLONIC STORM (64-89 KT)**  
**ESCS: EXTREMELY SEVERE CYCLONIC STORM (90-119 KT)**  
**SuCS: SUPER CYCLONIC STORM (≥20 KT)**

- LESS THAN 34 KT
- 34-47 KT
- ≥ 48 KT
- OBSERVED TRACK
- FORECAST TRACK
- CONE OF UNCERTAINTY

**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:** Western Himalayan Region (Jammu-Kashmir-Ladakh-Gilgit-Baltistan-Muzaffarabad, Himachal Pradesh and 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.

<b>SPATIAL DISTRIBUTION</b> (% 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)

**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

 Heavy Rain	 Heavy Snow	 Thunderstorm	 Dust Storm
 Strong Winds	 Visibility	 Cyclone	 Squall/ Hail
 Frost	 Cold Wave	 Heat Wave	 Sea State