



**India Meteorological Department
(Ministry of Earth Sciences)**

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**Sub: (A) Depression over Eastcentral and adjoining Southeast Arabian Sea
(B) Low pressure area over Southeast Bay of Bengal & adjoining areas of East Equatorial Indian Ocean and South Andaman Sea**

(A) Depression over eastcentral and adjoining southeast Arabian Sea

Depression over Eastcentral and adjoining Southeast Arabian Sea moved west-northwestwards with a speed of 16 kmph during past 3 hours and lay centered at 1730 hrs IST of today, the 14th December 2022 near latitude 13.7^oN and longitude 69.2^oE about 480 km northwest of Aminidivi (Lakshadweep), about 540 km west-southwest of Panjim (Goa) and 1660 km east-southeast of Salalah (Oman).

It is very likely to move west-northwestwards over Eastcentral Arabian Sea away from India coast and intensify further into a deep depression by morning of tomorrow, the 15th December 2022.

| Date/Time(IST) | Forecast Lead Period | Position (Lat. °N/ long. °E) | Maximum sustained surface wind speed (kmph) | Category of cyclonic disturbance |
|----------------|----------------------|------------------------------|---|----------------------------------|
| 14.12.22/1730 | 00 | 13.7/69.2 | 45-55 gusting to 65 | Depression |
| 15.12.22/0530 | 12 | 14.0/67.6 | 50-60 gusting to 70 | Deep Depression |
| 15.12.22/1730 | 24 | 14.2/66.3 | 55-65 gusting to 75 | Deep Depression |
| 16.12.22/0530 | 36 | 14.3/64.9 | 55-65 gusting to 75 | Deep Depression |
| 16.12.22/1730 | 48 | 14.4/63.5 | 45-55 gusting to 65 | Depression |
| 17.12.22/0530 | 60 | 14.4/61.9 | 40-50 gusting to 60 | Depression |
| 17.12.22/1730 | 72 | 14.3/60.2 | 30-40 gusting to 50 | Well Marked Low |

Warnings:

(i) Heavy Rainfall warning: NIL as the depression is expected to move away from India coast.

(ii) Wind warning (warning graphics enclosed):

- **Lakshadweep Area: Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph** till 15th morning and decrease gradually thereafter.
- **Southeast Arabian Sea: Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph** till 15th evening and decrease gradually thereafter.
- **Eastcentral Arabian Sea: Squally weather with wind speed reaching 45-55 kmph gusting to 65 kmph** is likely till 15th morning, becoming **55-65 kmph gusting to 75 kmph thereafter** till 16th morning. It will gradually decrease thereafter becoming 40-50 kmph gusting to 60 kmph by 17th morning.
- **Westcentral Arabian Sea: Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely from 15th morning, becoming **50-60 kmph gusting to 70 kmph** during 15th evening to 16th December morning. It will decrease gradually thereafter becoming 40-50 kmph gusting to 60 kmph by 17th morning.
- **Southwest Arabian Sea: Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is likely from 15th morning and becoming **45-55 kmph gusting to 65 kmph** during 16th morning to 17th December morning.

(iii) Sea Condition

- ❖ **Lakshadweep Area: Sea Condition** is likely to be rough to very rough till 15th morning and improve thereafter
- ❖ **Southeast Arabian Sea: Sea Condition** is likely to be rough to very rough till 16th morning and improve thereafter.
- ❖ **Eastcentral Arabian Sea: Sea Condition** is likely to be rough to very rough till 17th morning.
- ❖ **Westcentral Arabian Sea: Sea Condition** is likely to be rough from 15th morning becoming rough to very rough from 15th evening to 17th December morning.
- ❖ **Southwest Arabian Sea: Sea Condition** is likely to be rough from 15th evening becoming rough to very rough during 16th to 17th December morning.

(iv) Fishermen Warning:

Fishermen are advised not to venture into

- ❖ **Lakshadweep Area** till 15th December
- ❖ **Southeast Arabian Sea** till 15th December.
- ❖ **Eastcentral Arabian Sea** till 17th morning.
- ❖ **Westcentral Arabian Sea** from 15th morning to 17th December.
- ❖ **Southwest Arabian Sea** from 15th morning to 17th December.

(B) Low pressure area over Southeast Bay of Bengal & adjoining areas of East Equatorial Indian Ocean and South Andaman Sea

Under the influence of the cyclonic circulation over south Andaman Sea and adjoining Strait of Malacca & Sumatra, a low pressure area formed over Equatorial Indian Ocean and adjoining areas of South Andaman Sea & Southeast Bay of Bengal at 1430 hours IST of today, 14th December, 2022. It moved northwestwards and lay over Southeast Bay of Bengal & adjoining areas of East Equatorial Indian Ocean and South Andaman Sea at 1730 hours IST of today, 14th December, 2022.

It is likely to move gradually westwards and become well marked low pressure area over Southeast Bay of Bengal and adjoining Equatorial Indian Ocean by 15th December. Thereafter, it would continue to move westwards and maintain its intensity over South Bay of Bengal till morning of 17th December 2022.

Warnings:

(i) Wind warning:

- ❖ **Squally weather with wind speed reaching 35-45 kmph gusting to 55 kmph** is very likely over south Andaman Sea on 14th and 15th December.
- ❖ **Squally wind speed reaching 35-45 kmph gusting to 55 kmph** is likely over Southeast Bay of Bengal till 16th December.
- ❖ **Squally wind speed reaching 35-45 kmph gusting to 55 kmph** is likely to prevail over Southwest Bay of Bengal on 16th and 17th December

(iii) Sea condition: Sea condition is likely to be rough over

- ❖ South Andaman Sea on 14 and 15th December.
- ❖ Southeast Bay of Bengal till 16th December.
- ❖ Southwest Bay of Bengal on 16th and 17th December.

(iv) Fishermen Warning (warning graphics enclosed)

Fishermen are advised not to venture into:

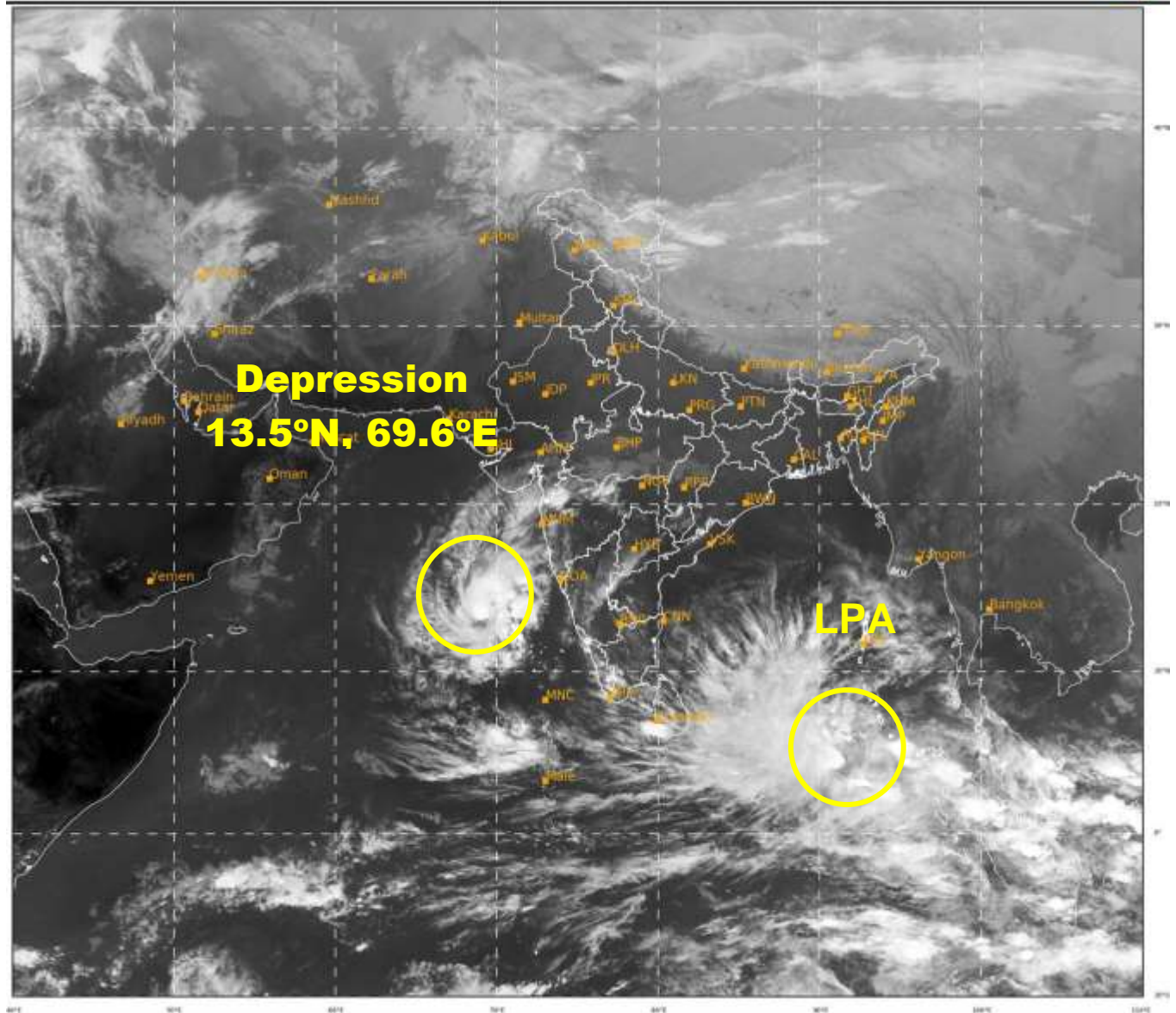
- ❖ South Andaman Sea on 14th and 15th December.
- ❖ Southeast Bay of Bengal till 16th December.
- ❖ Southwest Bay of Bengal on 16th and 17th December.

Both the systems are under continuous surveillance and the next message will be issued at 0230 hours IST of tomorrow, the 15th December, 2022.

(Ananda Kumar Das)
Scientist E, Cyclone Warning Division, New Delhi

Copy to: ACWC Mumbai/ ACWC Chennai/ /CWC Ahmedabad/ CWC Thiruvananthapuram/MC Goa

LEGEND: Heavy Rainfall: 64.5 to 115.5mm, **Very Heavy Rainfall:** 115.6 to 204.4mm
Most Places: more than 76% of total stations, **Isolated Places:** Less than 25% of total



347

949

IMD, DELHI

LPA – Low Pressure Area

Today
14/12/2022



WARNING



Tomorrow
15/12/2022



16/12/2022



17/12/2022



18/12/2022



Heavy Rain



Heavy Snow



Thunderstorm



Dust Storm



Strong Winds



Visibility



Cyclone



Squall/ Hail



Frost



Cold Wave



Heat Wave



Sea State

Fishermen warning graphics

Day 1: 14.12.2022/11:30AM to 15.12.2022/05:30AM



Day 2: 15.12.2022/05:30AM to 16.12.2022/05:30AM



Day 3: 16.12.2022/05:30AM to 17.12.2022/05:30AM



Day 4: 17.12.2022/05:30AM to 18.12.2022/05:30AM



Day 5: 18.12.2022/05:30AM to 19.12.2022/05:30AM



Squally WX with wind speed 35-45 kmph gusting to 55 kmph

Squally WX with wind speed 45-55 kmph gusting to 65 kmph

Squally wind speed 45-55 kmph gusting to 65 kmph

Fishermen are advised not to venture into the marked areas.

Probability of exceedance of maximum sustained winds ≥ 45 kmph



| | Probability of exceedance |
|--|---------------------------|
| | Low (1-33%) |
| | Moderate (34-67%) |
| | High (68-100%) |