



Government of India  
Ministry of Earth Sciences



India Meteorological Department

## PRESS RELEASE-2

Time of issue: 1300 hours IST

Dated: 13-05-2021

**Sub: Low pressure area over southeast Arabian Sea & adjoining Lakshadweep area & it's likely intensification into a Cyclonic Storm by 16<sup>th</sup> May 2021**

A low pressure area has formed over southeast Arabian Sea & adjoining Lakshadweep area today, the 13<sup>th</sup> May morning (0830 hrs IST). It is very likely to become well marked over Lakshadweep area by 14<sup>th</sup> morning, concentrate into a Depression over the same region by 15<sup>th</sup> morning and intensify into a Cyclonic Storm during the subsequent 24 hours. It is very likely to intensify further and move north-northwestwards towards Gujarat and adjoining Pakistan coasts. It is likely to reach near Gujarat coast around 18<sup>th</sup> May evening.

### Warnings:

#### (i) Rainfall:

- **Lakshadweep Islands:** Light to moderate rainfall at most places with heavy to very heavy falls at a few places with extremely heavy falls ( $\geq 20$  cm) at isolated places very likely on 13<sup>th</sup> & 14<sup>th</sup> May, heavy to very heavy falls at a few places on 15<sup>th</sup> May, heavy to very heavy falls at isolated places on 16<sup>th</sup> May.
- **Kerala:** Light to moderate rainfall at most places with heavy to very heavy falls at isolated places very likely over Kerala on 13<sup>th</sup> May, heavy to very heavy falls at a few places with extremely heavy falls ( $\geq 20$  cm) at isolated places on 14<sup>th</sup> & 15<sup>th</sup> and heavy to very heavy falls at isolated places on 16<sup>th</sup> & 17<sup>th</sup> May.
- **Tamil Nadu (Ghat districts):** Light to moderate rainfall at many places with heavy to very heavy falls at isolated places very likely on 14<sup>th</sup> May, heavy to very heavy falls with extremely heavy falls at isolated places on 15<sup>th</sup> May and heavy to very heavy falls at isolated places on 16<sup>th</sup> May.
- **Karnataka (coastal & adjoining Ghat districts):** Light to moderate rainfall at many places with heavy falls at isolated places very likely on 13<sup>th</sup>, heavy to very heavy falls at isolated places on 14<sup>th</sup>, heavy to very heavy falls at a few paces with extremely heavy falls at isolated places on 15<sup>th</sup>, heavy to very heavy fall at a few places on 16<sup>th</sup> and heavy to very heavy falls at isolated places on 17<sup>th</sup> May.
- **South Konkan & Goa:** Light to moderate rainfall at many places with heavy falls at isolated places very likely on 15<sup>th</sup> and heavy to very heavy falls at a few paces on 16<sup>th</sup> & 17<sup>th</sup> May.
- **Gujarat:** Rainfall activity is very likely to commence from 17<sup>th</sup> May with significant increase during the subsequent 2 days with heavy to very heavy rainfall at a few places over Saurashtra & Kutch on 18<sup>th</sup> and isolated heavy to very heavy falls over Kutch & adjoining southwest Rajasthan on 19<sup>th</sup> May.

#### (ii) Wind warning

- Squally weather with wind speed reaching 40-50 kmph gusting to 60 kmph is very likely over southeast Arabian Sea and adjoining Lakshadweep – Maldives area and equatorial Indian Ocean on 13<sup>th</sup> & 14<sup>th</sup> May. It is very likely to increase gradually becoming 50- 60 kmph gusting to 70 kmph over the same region from 15<sup>th</sup> morning.

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Spatial rainfall distribution: Isolated: <25%, A few: 26-50%, Many: 51-75%, Most: 76-100%

Rainfall amount (mm): Heavy rain: 64.5 – 115.5, Very heavy rain: 115.6 – 204.4, Extremely heavy rain: 204.5 or more.

- It is likely to increase gradually becoming Gale wind speed reaching 60 – 70 kmph gusting to 80 kmph over east-central Arabian Sea and adjoining southeast Arabian Sea and Lakshadweep area from 16<sup>th</sup> May morning.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely along & off Kerala coast on 14<sup>th</sup> May and 50-60 kmph gusting to 70 kmph along & off Kerala - Karnataka coasts on 15<sup>th</sup> becoming gale winds speed reaching 60-70 kmph gusting to 80 kmph on 16<sup>th</sup> May.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely along & off south Maharashtra & Goa coasts on 15<sup>th</sup> and 50-60 kmph gusting to 70 kmph along & off south Maharashtra –Goa coasts on 16<sup>th</sup> May.
- Squally wind speed reaching 40-50 kmph gusting to 60 kmph likely over northeast Arabian Sea and along & off south Gujarat & Daman and Diu coasts on 17<sup>th</sup> morning and gradually increase becoming Gale winds speed reaching 60-70 kmph gusting to 80 kmph over northeast Arabian Sea along & off Gujarat coast from 18<sup>th</sup> May morning . It is likely to increase gradually till 18<sup>th</sup> evening.

### **(iii) Sea condition**

- Sea conditions over southeast Arabian Sea and adjoining Lakshadweep - Maldives area & equatorial Indian Ocean will be rough to very rough on 13<sup>th</sup> & 14<sup>th</sup> May.
- Sea condition over eastcentral Arabian Sea will be very rough to high on 15<sup>th</sup> May and High to very High on 16<sup>th</sup> May and over northeast Arabian Sea from 18<sup>th</sup> May.
- Sea conditions will be rough to very rough over Comorin area and along & off Kerala coast on 14<sup>th</sup> & 15<sup>th</sup>, very rough to High over east central Arabian Sea along & off Karnataka coast on 15<sup>th</sup> May and Maharashtra – Goa coasts on 15<sup>th</sup> & 16<sup>th</sup> May. It is very likely to be very rough to High over northeast Arabian Sea along & off south Gujarat coast from 17<sup>th</sup> May morning.

### **(iv) Tidal wave Warning**

- Tidal wave of about 1 meter height above the astronomical tide is very likely to inundate low lying areas of Lakshadweep Islands on 15<sup>th</sup> & 16<sup>th</sup> May.

### **(v) Fishermen Warning**

- Fishermen out in the Deep Sea are advised to return to coast.
- The fishermen are advised not to venture into southeast Arabian Sea, Lakshadweep – Maldives areas from 13<sup>th</sup> May, east central Arabian Sea along & off Karnataka coast from 14<sup>th</sup> May, into eastcentral Arabian Sea and along & off Maharashtra – Goa coasts from 15<sup>th</sup> May and into eastcentral & adjoining northeast Arabian Sea along & off Gujarat coast from 17<sup>th</sup> May.

The development of this system is being closely monitored and concerned state governments are being informed regularly.

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