



**Government of India
Earth System Science Organization
Ministry of Earth Sciences
India Meteorological Department**

**Press Release
Dated: 08th June 2019
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Sub: Onset of Monsoon – 2019 over Kerala

➤ **Southwest monsoon has set in over Kerala, today, the 08th June 2019.**

○ In view of the enhanced cloudiness, strengthening of westerlies and persistent cyclonic circulation in the lower & mid-levels over Lakshadweep area and neighbourhood, the Southwest monsoon has further advanced into some more parts of South Arabian Sea, most parts of Lakshadweep area, some parts of Kerala & south Tamil Nadu, remaining parts of Comorin – Maldives area, some more parts of Southwest, Southeast & Eastcentral Bay of Bengal and some parts of Northeast Bay of Bengal.

○ Thus the Southwest monsoon has set in over Kerala, today, the 08th June 2019, against the normal date of 1st June.

○ The Northern Limit of Monsoon (NLM) passes through lat. 11°N/ Long 60°E, lat. 11°N/ Long 70°E, Amini Divi, Kochi, Madurai, lat. 11°N/ Long 86°E, lat. 16°N/ Long 91°E, and lat. 20°N/ Long 94°E on today, the 8th June 2019.

Figure-1 shows the Northern Limit of Monsoon (NLM) as on today.

➤ **Further advance during next 48 hours**

Conditions are favorable for further advance of Southwest Monsoon into remaining parts of South Arabian Sea, Lakshadweep area & Kerala, some more parts of Tamil Nadu, Southwest, Southeast, Eastcentral & Northeast Bay of Bengal and some parts of Central Arabian Sea and Westcentral Bay of Bengal during next 48 hours.

➤ **Advance of southwest monsoon over Northeastern States**

Conditions are also becoming favorable for advance of Southwest Monsoon into southern parts of Northeast India during next 48 hours

➤ **Prevailing meteorological conditions**

- ✓ Fairly widespread rainfall occurred over Lakshadweep area and parts of Kerala, during the past 3 days.
- ✓ Westerly winds have strengthened in the lower levels (upto 20 knots) and deepened (upto 4 km) over the southern Latitudes. Westerly/ West-southwesterly winds were observed upto 600 hPa (approximately upto 4.5km) over the South Arabian Sea.
- ✓ There is persistent convection (cloudiness indicated by Outgoing Long wave Radiation values <200 Wm⁻¹) from 3rd June.

In addition to the above features, the following developments are also noticed.

- ✓ An off-shore trough at mean Sea level runs from south Maharashtra coast to Kerala coast.

- ✓ A cyclonic circulation extending upto 4.5 km. above mean sea level lies over Lakshadweep area and adjoining Southeast Arabian Sea. Under its influence, a low pressure area is very likely to form over Southeast & adjoining Eastcentral Arabian Sea during next 48 hours. It is very likely to move north-northwestwards and intensify gradually.

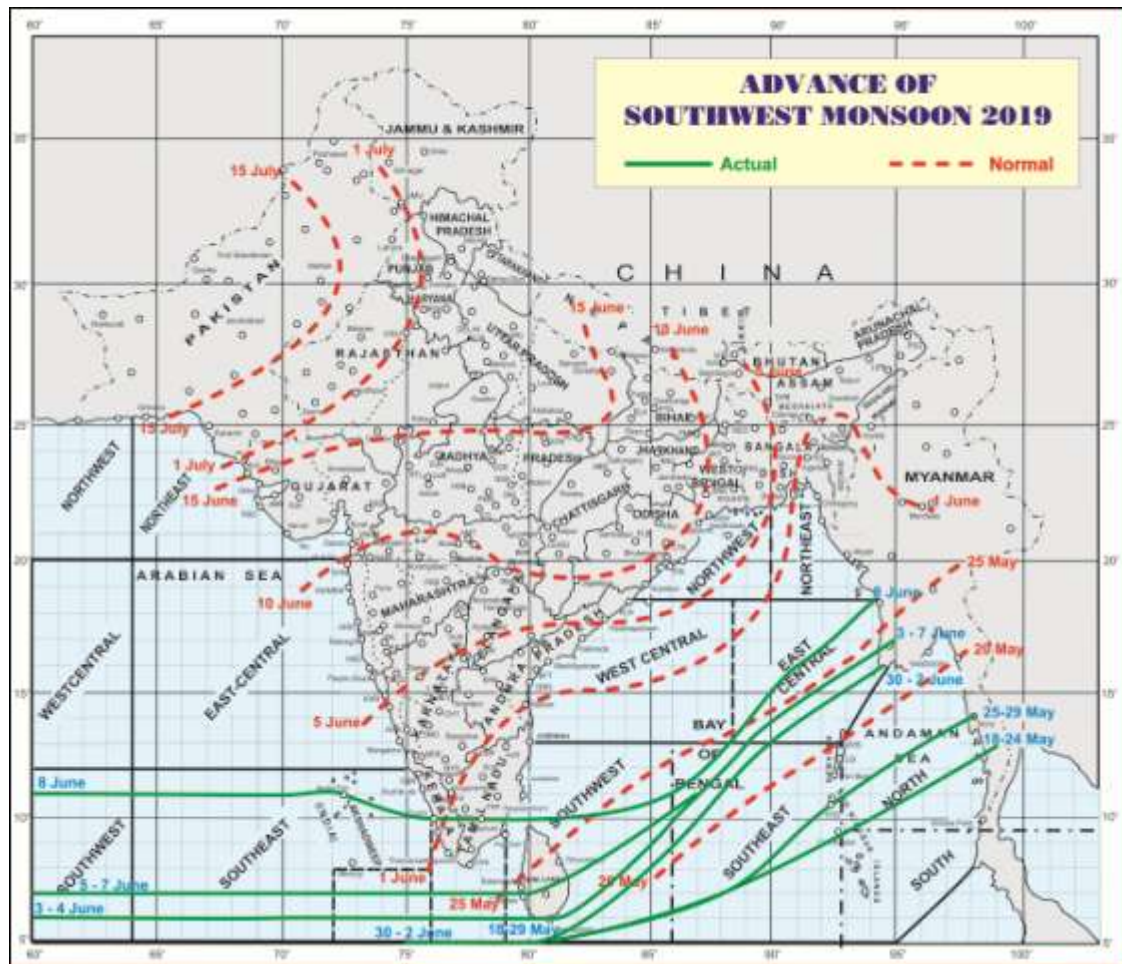


Figure -1: Northern Limit of Southwest monsoon - 2019

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