



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

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Sub: Advance of Monsoon and associated heavy rainfall spell along west coast and formation of low pressure system over north Bay of Bengal;

1. Monsoon Advance:

Southwest Monsoon has further advanced into some more parts of South Interior Karnataka, most parts of Rayalaseema, South Coastal Andhra Pradesh and West Central Bay of Bengal, remaining parts of eastcentral Bay of Bengal and some more parts of northwest Bay of Bengal. The Northern Limit of Monsoon (NLM) passes through Lat. 14°N/ Long. 60°E, Lat. 14°N/ Long. 70°E, Shirali, Chitradurga, Kurnool, Narsapur, Machlipatnam, Lat. 17°N/ Long. 85°E, Lat. 19°N/ Long. 90°E, Agartala, Lumding, north Lakhimpur and Lat. 29°N/ Long. 95°E. (Figure 1)

Conditions are favorable for further advance of Southwest Monsoon into some more parts of Central Arabian Sea, some parts of south Konkan & Goa, remaining parts of Karnataka and Rayalaseema, some parts of Telangana, some more parts of Coastal Andhra Pradesh and West Central Bay of Bengal during next 24 hours. Conditions are very likely to become favorable for further advance of Southwest Monsoon into some more parts of Maharashtra, Telangana & Coastal Andhra Pradesh in subsequent 48 hours. Conditions are also likely to become favorable for further advance of Southwest Monsoon into most parts of Arabian Sea, remaining parts of Maharashtra, some parts of Gujarat, southern parts of Madhya Pradesh & Chhattisgarh, Odisha, West Bengal & Sikkim, remaining parts of Northeastern states and most parts of Bay of Bengal during 09th to 11th June.

2. Strengthening of Monsoon leading to enhanced rainfall activity along west coast:

Rainfall activity is likely to increase over coastal Karnataka, Goa and south coastal Maharashtra, from 07th June onwards with wide spread rainfall activity accompanied with heavy (6.5cm to 12.5 cm) to very heavy (12.5cm to 19.5 cm) rainfall at isolated places. It is likely to continue till 12th June. It is very likely to extend to north coastal Maharashtra, including Mumbai with heavy to very heavy rains at a few places with extremely heavy (more than 19.5 cm) rainfall at isolated places during 9th to 12th June. Isolated heavy to very heavy rainfall is also very likely over south interior Maharashtra during 6th to 10th June and also over north interior Maharashtra during 9th to 12th. Date-wise heavy rainfall warning for the next five days is given in the following table:

Region	06 June	07 June	08 June	09 June	10 June
Coastal Karnataka	Isolated heavy	Isolated heavy to very heavy	Scattered heavy to very heavy with isolated extremely heavy	Isolated heavy to very heavy	Isolated heavy to very heavy
South Konkan and Goa	Isolated heavy	Isolated heavy to very heavy	Scattered heavy to very heavy with isolated extremely heavy	Scattered heavy to very heavy with isolated extremely heavy	Scattered heavy to very heavy with isolated extremely heavy
North Konkan	Isolated heavy	Isolated heavy to very heavy	Isolated heavy to very heavy	Scattered heavy to very heavy with isolated extremely heavy	Scattered heavy to very heavy with isolated extremely heavy
South interior Maharashtra	Isolated heavy	Isolated heavy to very heavy	Isolated heavy to very heavy	Isolated heavy	Isolated heavy
North interior Maharashtra	nil	nil	Isolated heavy	Isolated heavy to very heavy	Isolated heavy to very heavy
South Gujarat	nil	nil	nil	Isolated heavy	Isolated heavy

Legend: Yellow- Be updated; Orange- Be prepared; Red- Take action

Wind warning:

In association with strong monsoon conditions over Arabian Sea, squally wind speed reaching 40-50 kmph gusting to 60 kmph likely along and off Konkan and Goa coasts during 8th to 12th June.

Sea condition:

Sea condition will be rough to very rough over east central Arabian Sea off Konkan and Goa coasts as well as over west central and adjoining southwest Arabian Sea off Somalia coast during 8th to 12th June.

Fishermen warning:

Fishermen are advised not to venture into over east central Arabian Sea off Konkan and Goa coasts as well as west central and adjoining southwest Arabian Sea off Somalia coast during 8th to 12th June.

3. Formation of low pressure system:

A low pressure area is very likely to form over north Bay of Bengal around 8th June. It is very likely to intensify into a depression during the subsequent 48 hours and move north-northwestwards across West Bengal and Bangladesh coasts.

Heavy rainfall warning:

Rainfall activity will increase over north Odisha, West Bengal & Sikkim, Assam and Meghalaya during 8-11th June with occurrence of isolated heavy to very heavy rainfall.

Wind warning:

Squally wind speed reaching 40-50 gusting to 60 kmph wind is very likely over north Bay of Bengal along and off West Bengal, Odisha and Bangladesh coasts during 9th to 10th June.

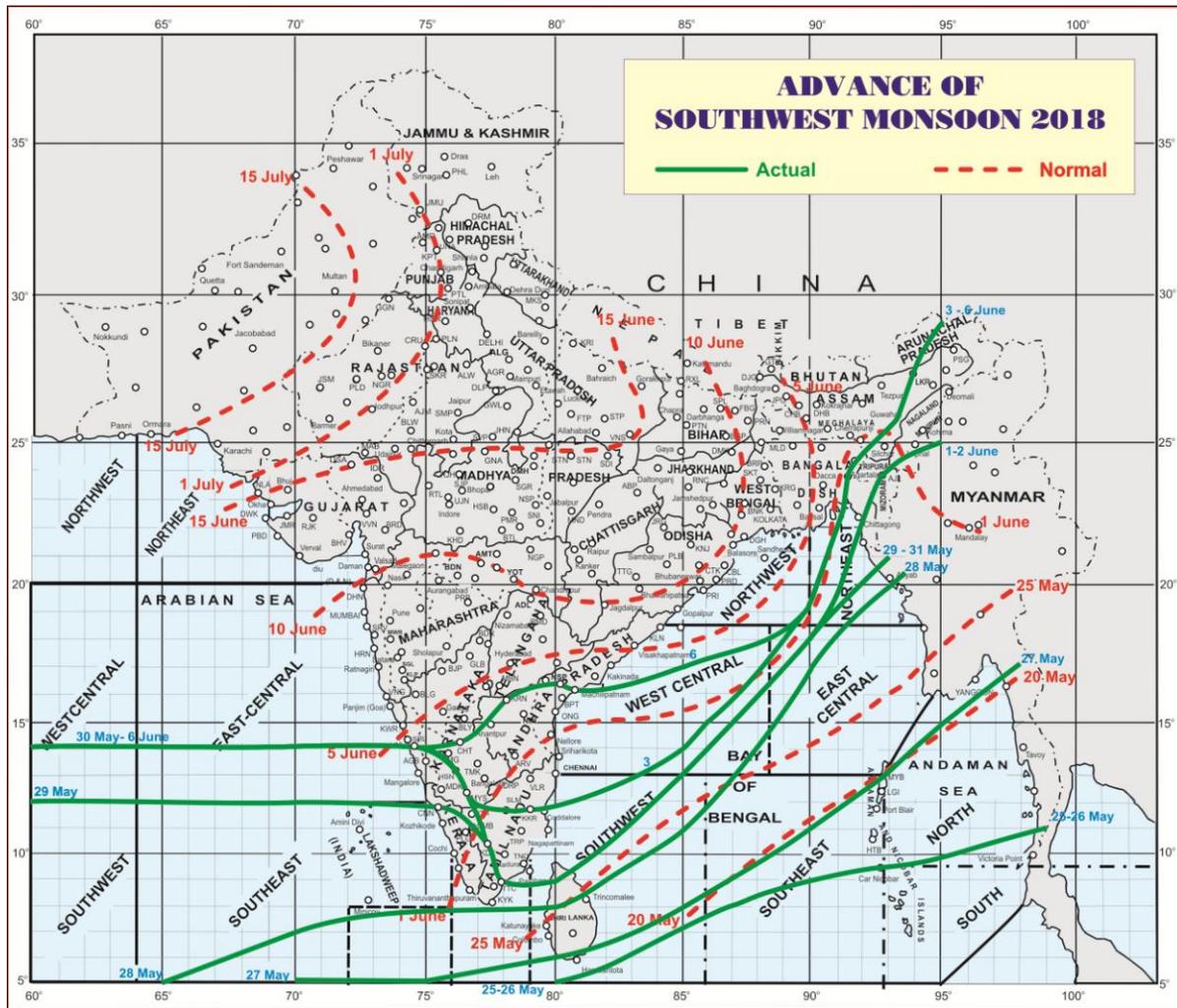
State of Sea:

Sea condition will be rough to very rough during this period over north Bay of Bengal along and off West Bengal, Odisha and Bangladesh coasts.

Fishermen warning:

Fishermen are advised not to venture into north Bay of Bengal during 9th and 10th June.

Note: For detailed forecast update kindly visit: <http://www.imd.gov.in/pages/allindiawxbulletin.php>



(Figure 1)