



Government of India
Ministry of Earth Sciences
India Meteorological Department

Press Release

Date: 06th October, 2021

Time of Issue: 1400 hrs IST

Subject: (i) Withdrawal of southwest monsoon from some parts of northwest India on today, the 06th October, 2021.

ii) Formation of Low Pressure Area over north Andaman Sea around 10th October, 2021.

Rainfall Amount recorded (from 0830 hours IST of yesterday to 0830 hours IST of today) (7 cm or more): Given in Annexure I

i) Withdrawal of southwest monsoon 2021:

In view of the establishment of an anti-cyclonic circulation in the lower tropospheric levels over western parts of northwest India and substantial reduction in moisture content & rainfall, the withdrawal of southwest monsoon has commenced today against normal date of 17th September. Southwest Monsoon has withdrawn from some parts of west Rajasthan and some parts of adjoining Gujarat today, the 6th October, 2021.

The withdrawal line passes through 28.5°N/ Long.72.5°E, Bikaner, Jodhpur, Jalore, Bhuj and Lat. 23°N/ Long.68°E (Annexure II). Conditions are becoming favourable for further withdrawal of southwest monsoon from some more parts of Gujarat, entire Rajasthan, Punjab, Haryana, Chandigarh & Delhi, Jammu & Kashmir, Ladakh, Himachal Pradesh, Uttarakhand, Uttar Pradesh and some parts of Madhya Pradesh during next 3-4 days.

Past 5 years dates of withdrawal of southwest monsoon from West Rajasthan are as follow:

- 28th September in 2020
- 09th October in 2019
- 29th September in 2018
- 27th September in 2017
- 15th September in 2016

ii)) Formation of Low Pressure Area

A Low Pressure Area is very likely to form over north Andaman Sea around 10th of October, 2021. It is likely to become more marked and move west-northwestwards towards south Odisha & north Coastal Andhra Pradesh coast during subsequent 4-5 days.

Forecast and warning:

Under the influence of a cyclonic circulation over Tamilnadu coast & neighbourhood and a trough in easterlies from this cyclonic circulation to north Konkan across central parts of Tamilnadu, north Kerala and Coastal Karnataka in lower levels:

◆ Isolated **heavy rainfall** very likely over Kerala and coastal Karnataka during 06-10 Oct; over Tamilnadu during 06-07 Oct; over interior Karnataka during 06-08 Oct and over Rayalaseema on 06 October, 2021. Isolated **very heavy falls** also very likely over South Interior Karnataka, Tamilnadu and Kerala on 06th October, 2021.

For detailed forecast and warning refer:

https://mausam.imd.gov.in/imd_latest/contents/all_india_forecast_bulletin.php

Today
06/10/2021



Tomorrow
07/10/2021



08/10/2021



09/10/2021



10/10/2021



EXPECTED IMPACT & ACTION SUGGESTED due to Very Heavy Rainfall over South Interior Karnataka, Kerala and Tamilnadu on 06th October, 2021.

A. Impact Expected

- Localized Flooding of roads, inundation and water logging in low lying areas and closure of underpasses mainly in urban areas of the above region.
- Occasional reduction in visibility due to heavy rainfall.
- Disruption of traffic in major cities due to water logging in roads leading to increased travel time.
- Minor damage to kutcha roads.
- Possibilities of damage to vulnerable structure.
- Localized Mudslides
- Damage to horticulture and standing crops in some areas due to inundation.
- It may lead to riverine flooding in some river catchments (for riverine flooding please visit Web page of CWC)

B. Action Suggested

- Check for traffic congestion on your route before leaving for your destination.
- Follow any traffic advisories that are issued in this regard.
- Avoid going to areas that face the water logging problems often.
- Avoid staying in vulnerable structure.

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:** Jammu, Kashmir, Ladakh, Gilgit, Baltistan & Muzaffarabad; Himachal Pradesh, 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.

SPATIAL DISTRIBUTION (% 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)



Heavy Rain



Strong Winds



Thunderstorm with Lightning

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

24-hour accumulated rainfall (7 cm or more) realised over the country:

Coastal Andhra Pradesh & Yanam: Nellore-18

Tamilnadu, Puducherry & Karaikal: Kancheepuram-18, Tiruvalur-12, Chengalpattu and Tiruvannamalai-11 each, Cuddalore, Ranipet and Theni-9 each, Chennai and Siraganga-8 each, Dindigul, Kanniyakumari, Tirunelveli, and Vellore-7 each

Kerala & Mahe: Palakkad-15, Thrissur-7

Sub-Himalayan West Bengal & Sikkim: Cooch-Behar-10

Chhattisgarh: Rajnand Gaon-10, Kabir Dham-7

Vidarbha: Amraoti-10

Rayalaseema: Kodur-10, Chittor-8, Tirupathi-5

Bihar: Ramnagar-8

Uttarakhand: Nainital-7

South Interior Karnataka: Chikkamangaluru and Hassan-7 each

Coastal Karnataka: Udupi and Jagalbet-8

Odisha: Gajapati-7

Goa: North Goa-7.

