

WEEKLY WEATHER REPORT FOR ARUNACHAL PRADESH

20-07-2023 to 26-07-2023

SYNOPTIC FEATURE

The Monsoon Trough at mean sea level was seen passing through Jaisalmer, Kota, Guna, Damoh, Raipur, center of the low-pressure area of northwest Bay of Bengal & adjoining Odisha and thence southeastwards to Eastcentral Bay of Bengal and extending upto 2.1 km above mean sea level on 20th. The cyclonic circulation over south Chhattisgarh extending upto 1.5 km above mean sea level was seen merging with the monsoon trough on 20th. The Monsoon Trough at mean sea level was seen passing through Jaisalmer, Kota, Raisen, Chhindwara, Durg, center of the low pressure area over south Odisha-north Andhra Pradesh and thence east-southeastwards to Eastcentral Bay of Bengal extending upto 2.1 km above mean sea level on 21st. The Monsoon Trough at mean sea level was seen passing through Jaisalmer, Deesa, Ratlam, Betul, Chandrapur, Kondagaon, Gopalpur and thence southeastwards to north Andaman Sea and extending upto 2.1 km above mean sea level on 22nd. The Monsoon Trough at mean sea level was seen passing through Dessa, Ratlam, Betul, Brahmpuri, Kanker, Kalingapatnam and thence east-southeastwards to Eastcentral Bay of Bengal and extending upto 1.5 km above mean sea level on 23rd. The Monsoon Trough at mean sea level was seen passing through Dessa, Indore, Damoh, Pendra Road, Gopalpur and thence east-southeastwards to Eastcentral Bay of Bengal and extending upto 1.5 km above mean sea level on 24th. The Monsoon Trough at mean sea level now passes through Jaisalmer, Kota, Guna, Raipur, Bhawanipatna, centre of the a Well Marked Low Pressure Area over Westcentral & adjoining Northwest Bay of Bengal off north Andhra Pradesh-south Odisha coasts and thence east-southeastwards to Eastcentral Bay of Bengal and extending upto 1.5 km above mean sea level on 25th. The Monsoon Trough at mean sea level was seen passing through Jaisalmer, Kota, Raisen, Mandla, Durg, centre of Well Marked Low Pressure Area over Westcentral & adjoining Northwest Bay of Bengal off north Andhra Pradesh-south Odisha coasts and thence east-southeastwards to Eastcentral Bay of Bengal and extending upto 1.5 km above mean sea level on 26th. A low pressure area was seen over Northwest Bay of Bengal & adjoining Odisha coast on 20th. An associated cyclonic circulation was seen extending upto 7.6 km above mean sea level tilting southwards with height on 20th. The Low Pressure Area over northwest Bay of Bengal & adjoining Odisha coast was seen lying over south Odisha – north Andhra Pradesh and adjoining northwest & westcentral Bay of Bengal with associated cyclonic circulation extending upto 7.6 km above mean sea level on 21st. The Low Pressure Area over south Odisha-north Andhra Pradesh and adjoining northwest & Westcentral Bay of Bengal became less marked on 22nd. However, the associated cyclonic circulation was seen lying over southeast Vidarbha & adjoining south Chhattisgarh and extending upto 4.5 km above mean sea level on 22nd. The cyclonic circulation over west-central & adjoining northwest Bay of Bengal was seen lying over south Odisha & neighbourhood at 3.1 km above mean sea level on 23rd. The cyclonic circulation over south Odisha & neighbourhood at 3.1 km above mean sea level became less marked on 24th. A cyclonic circulation was seen lying over south Chhattisgarh & neighbourhood extending upto 2.1 km above mean sea level on 21st. The cyclonic circulation over south Chhattisgarh & neighbourhood extending upto 2.1 km above mean sea level was seen merged with the cyclonic circulation lying over southeast Vidarbha & adjoining south Chhattisgarh and extending upto 4.5 km above mean sea level on 22nd. The cyclonic circulation over southeast Vidarbha & adjoining south Chhattisgarh merged with the cyclonic circulation over central Madhya Pradesh and extending upto 7.6 km above mean sea level tilting southwards with height on 23rd. A cyclonic circulation was seen lying over west-central & adjoining northwest Bay of Bengal off North Andhra Pradesh-South Odisha coasts and extending upto 7.6 km above mean sea level tilting southwards with height on 24th. The cyclonic circulation over west-central & adjoining northwest Bay of Bengal off North Andhra Pradesh-South Odisha coasts concentrated into Well marked low pressure area same the region and remain persisted and the associated cyclonic circulation extending upto 7.6 km above mean sea level on 25th. The Well Marked Low Pressure Area over Westcentral & adjoining Northwest Bay of Bengal off north Andhra Pradesh-south Odisha coasts with the associated cyclonic circulation extending upto 7.6 km above mean sea level remain persisted on 26th.

RAINFALL DISTRIBUTION and WEATHER ACTIVITY 20-07-2023 to 26-07-2023

20-Jul-2023	Available data indicates that light rain occurred at few places over Arunachal Pradesh.
21-Jul-2023	Available data indicates that moderate to heavy rain occurred at many places over Arunachal Pradesh.
22-Jul-2023	Available data indicates that light to moderate rain occurred at few places over Arunachal Pradesh.
23-Jul-2023	Available data indicates that moderate to heavy rain occurred at many places over Arunachal Pradesh.
24-Jul-2023	Available data indicates that moderate to heavy rain occurred at many places over Arunachal Pradesh.
25-Jul-2023	Available data indicates that moderate to heavy rain occurred at most places over Arunachal Pradesh.
26-Jul-2023	Available data indicates that moderate to heavy rain occurred at many places over Arunachal Pradesh.

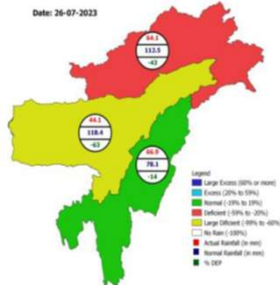


Fig1: Weekly rainfall activity for State wise

TEMPERATURE DISTRIBUTION during the period 20-07-2023 to 26-07-2023

20-Jul-2023	Day temperatures were APPRECIABLY ABOVE NORMAL, and night time temperatures are ABOVE NORMAL over Arunachal Pradesh.
21-Jul-2023	Day temperatures were APPRECIABLY ABOVE NORMAL, and night time temperatures are ABOVE NORMAL over Arunachal Pradesh.
22-Jul-2023	Day temperatures were APPRECIABLY ABOVE NORMAL, and night time temperatures are ABOVE NORMAL over Arunachal Pradesh.
23-Jul-2023	Day temperatures were MARKEDLY ABOVE NORMAL, and night time temperatures are NORMAL over Arunachal Pradesh.
24-Jul-2023	Day temperatures were APPRECIABLY ABOVE NORMAL, and night time temperatures are ABOVE NORMAL over Arunachal Pradesh.
25-Jul-2023	Day temperatures were APPRECIABLY ABOVE NORMAL, and night time temperatures are NORMAL over Arunachal Pradesh.
26-Jul-2023	Day temperatures were APPRECIABLY ABOVE NORMAL, and night time temperatures are ABOVE NORMAL over Arunachal Pradesh.

RAINFALL SUMMARY for Arunachal Pradesh

RAINFALL CATEGORY	20-07-2023 to 26-07-2023	01.03.2023 to 26-07-2023
	LE	1
E	2	2
N	0	7
D	6	5
LD	5	1
NR	2	1

LE: Large Excess: > 59 % **D: Deficient: -20% to -59%**
E: Excess: +20% to +59 % **LD: Large Deficient : -60% to -99%**
N: Normal: 19% to -19% **NR: No Rain: -100%**

CHIEF AMOUNT RAINFALL in cm 20-Jul-2023 to 26-Jul-2023

20-Jul-2023

NIL.

21-Jul-2023

MC ITANAAGR 1; TAWANG 1; JUNG 1.

22-Jul-2023

DOLLONGMUKH 4; SEPPA 1; DAPORIJO 1.

23-Jul-2023

YUPIA 8 ; MC ITANAGAR 7; NAMSAI 4; DEMOALI 3; SEPPA 2; JUNG 2.

24-Jul-2023

KAMBA 4; DOLLONGMUKH 3; MC ITANAGAR 3; TUTING 3; HOLLONGI 2; SEPPA 2; YUPIA 2; BASAR 2; TAWANG 1; MEBO 1; JUNG 1.

25-Jul-2023

ITANAGAR 8; BHAULKPONG 7; YUPIA 6; PASIGHAT 5; NAMSAI 5; TUTING 3; SEPPA 3; HOLLONGI 2; TEZU 2; MIAO 2; YAZALI 2; DOLLONGMUKH 2; BASAR 1; MEBO 1; NAMPONGCIRCLE 1.

26-Jul-2023

BHAULKPONG 9; DAPORIJO 8; YAZALI 5; KABUBASTI 3; DOLLONGMUKH 3; ZIRO 2; SEPPA 2; BASAR 2; YUPIA 2; KAMBA 1.

Legends- TS : Thunder Storm SCT: Scattered FWS: Fairly Wide Spread RF: Rain Fall
RA : Rain ISOL: Isolated WS: Wide Spread

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