

Weekly Weather Report for Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur, Mizoram and Tripura for week ending on 18.04.18

Synoptic feature :

The last week Cyclonic Circulation over northern parts of Bangladesh & neighbourhood lay over eastern parts of Bangladesh extending upto 0.9 km above mean sea level on 12th & it became less marked on 13th April'18. Also the Cyclonic Circulation over east Uttar Pradesh & adj. Bihar extending upto 0.9 km above mean sea level became less marked on 12th, A trough ran from east Bihar to Gangetic West Bengal extending upto 1.5 km above mean sea level on 12th, it persisted on 13th & it ran from Sikkim to north interior Odisha across east Bihar & Jharkhand extending upto 0.9 km above mean sea level on 14th & it became less marked on 15th.

A trough extended from north Bihar to Manipur across northern parts of Bangladesh & Meghalaya extending upto 0.9 km above mean sea level on 15th & it was ran as a Cyclonic Circulation over Sub-Himalayan West Bengal & neighbour-hood upto 1.5 km above mean sea level on 16th & it persisted extending upto 0.9 km above mean sea level & embedded in the trough which ran from north east Uttar Pradesh to Manipur across Meghalaya at 0.9 km above mean sea level on 17th & the trough became less marked and the Cyclonic Circulation persisted on 18th.

The remnant western Disturbance as a trough with its axis at 5.8 km above mean sea level ran roughly along Long. 95°E to the north of Lat.25°N on 15th and this trough along Long. 98°E to the north of Lat.25°N moved away east wards on 16th April'2018.

A Cyclonic Circulation lay over Jharkhand and adj. Bihar extending upto 0.9 km above mean sea level on 18th. Also, a trough in mid Tropospheric Westerlies ran roughly along long.90°E to the north of Lat.22°N.

Rainfall distribution and weather activity:

Available data indicate that light to moderate rain occurred at most places over Arunachal Pradesh, Assam, Nagaland & Manipur and at many places over Meghalaya, Mizoram & Agartala on 12th April'2018. Light to moderate rain occurred at most places over Arunachal Pradesh, Assam, Meghalaya, Nagaland & Manipur and at a few places over Mizoram & Tripura with isolated heavy falls over Assam & Meghalaya on 13th April'2018. Light to moderate rain occurred at most places over Arunachal Pradesh, Meghalaya, at many places over Assam with isolated heavy falls at Arunachal Pradesh. Light rain occurred at few places over Nagaland & Manipur and at isolated places over Tripura on 14th April'2018. Light to moderate rain occurred at most places over Arunachal Pradesh & at many places over Assam, light rain occurred at a few places over Meghalaya & Tripura and at isolated places over Manipur and dry weather prevailed over Nagaland & Mizoram on 15th April'2018. Light to moderate rain occurred at isolated places over Arunachal Pradesh & Assam and light rain occurred at isolated places over Meghalaya & Nagaland and dry weather prevailed over Manipur, Mizoram & Tripura on 16th April'2018. A thunder-squall with wind from North-West direction & wind speed reaching upto 72 kmph occurred at Agartala, Tripura on 16th April, 2018 at 1634 Hrs IST. The duration of the squall was 1 minute only. Light to moderate rain occurred at a few places over Meghalaya & at isolated places over Tripura and light rain occurred at isolated places over Arunachal Pradesh, Assam & Nagaland and dry weather prevailed over Manipur & Mizoram on 17th April'2018. Light to moderate rain occurred at many places over Nagaland & Tripura, at isolated places over Manipur and light rain occurred at isolated places over Arunachal Pradesh, Assam, Meghalaya & Mizoram on 18th April'2018.

Temperature distribution during the period from 12.04.2018 to 18.04.2018

States	12.04.2018.		13.04.2018.		14.04.2018.		15.04.2018.		16.04.2018.		17.04.2018		18.04.2018	
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
Ar.Pradesh	N		N		N		AB N		N		AA N		AAN	
Assam	AB N		N		N		N		N		N		N	
Meghalaya	AB N		N		N		N		N		N		N	
Nagaland														
Manipur	N		N		N		N		N		AN		N	
Mizoram														
Tripura	N		N		N		N		N		AN		N	

MAN=Markedly above normal, AAN=Appreciably above normal, AN=Above normal, N=Normal
MBN= Markedly below normal, ABN=Appreciably below normal, BN=Below normal.

No. of Districts showing different rainfall activity in different sub-divisions

	for the week ending on 18.04.2018					for the period from 01.03.18. to 18.04.18.				
	Excess	Normal	Deficient	Scanty	No Rain	Excess	Normal	Deficient	Scanty	No Rain
Arunachal Pradesh	8	2	2	2	0	4	3	3	3	0
Assam & Meghalaya	12	6	9	4	0	8	11	9	5	0
Nagaland, Manipur, Mizoram & Tripura	4	0	2	5	5	2	1	6	7	2

Excess +20%, Normal 19% to -19%, Deficient -20% to -59%, Scanty -60% to -99% and No Rain -100%

Chief Amount Of Rainfall (cm):

12.04.2018: -Itanagar=10,Dholai=5,Matijuri,Daporijo,A.Pghat,BPghat,Silchar=3(each),Dillighat, Goalpara, Nalbari, Kailasahar,Sohra,Rangia,GuwahatiA/P,Tinsukia,Puthimari,Sohra(RKM)=2,Dharmanagar,Tuting,Dhubri,Dibrugarh A/P,Jorhat,Gossaigaon, Mangaldoi,Naharkatia,Passighat,Lakhipur,Kamalpur,Golaghat(CWC),Kherunighat, Nongstoin ,Shillong,Golaghat ,Tikrikilla=1(each)

13.04.2018: -Dhubri(Cwc) & Dhubri =9 each, Tikrikilla=8, Passighat, Gossaigaon & Chouldhowaghat=5 each, N/Lakhimpur, Kokrajhar, Chotabekra, Mangaldoi= 4each, Goalpara(Cwc),Goalpara ,Bihubar, Jia Bharali N T Xing, Bhalukpong, Williamnagar, Manas N H Xing, Beki Rd. Bridge, Bahalpur,Tezpur,Golaghat(Cwc) ,Golaghat ,Barpeta & Sibsagar =3 each , Aie N H Xing ,Nalbari ,Jharnapani ,Dhollabazar ,Beki-Mathanguri ,Khowang ,Maranhat ,Chaparmukh ,Tinsukia ,Dharamtul & Nongstoin= 2 each , Jorhat ,Dibrugarh A/P ,Kohima ,Karimganj ,Borpathar ,Lumding ,Kampur ,Namsai ,Barapani ,Umiam ,Haflong ,Sohra ,Puthimari ,Naharkatia ,Tezu ,Rangia ,Dholai ,Nongpoh ,Margherita ,M.C. Itanagar ,Dillighat ,Guwahati A/P ,Panbari ,Motunga ,Kailasahar ,Amraghat ,Tamulpur & Deomali=1 each. 07.04.2018: Sabroom=10,Bishalgarh=2

14.04.2018: Roing=7,Nongstoin,Gossaigaon=5(each),Sohra,Williamnagar,Dhemaji (AWS),Sohra(rkm),Koloriang=4(each),Bihpuria(aws),Goalpara(AWS), Williamnagar,Goalpara,Kokrajhar,Tikrikilla,N/Lakhimpur=3each, Passighat,Along(AWS),Bongaigaon(AWS)=2(each), Dhubri, Chotabekra,M.C.Itanagar,Dibrugarh A/P,Lumding,Itanagar,Dibrugarh(AWS),Deomali, Goibergaon, Barpeta(AWS), Kailasahar=1(each)

15.04.2018: Roing & N/Lakhimpur=3 each, Passighat, Motunga, Barpeta(Aws), Borkhetri (Aws), M.C. Itanagar & Dibrugarh A/P=2 each, Dibrugarh (Aws), Bongaigaon (Aws), Sonamura, Bihpuria (Aws), Sohra, A.D.Nagar, Guwahati A/P, Guwahati A/P(Aws) & Agartala A/P=1 each.

16.04.2018: Tezu= 3,Bongaigaon (AWS)=2 & Miao=1

17.04.2018: Tezu= 3,Bongaigaon (AWS)=2 & Miao=1

18.04.2018: Phek(AWS), Jharnapani & Imphal A/P=2 each, Mangaldoi , Agartala A/P, Chaparmukh & Baghmara (AWS)=1 each.

