

Synoptic feature :

In respect of Ne region ,theNorthern Limit of Monsoon (NLM) passed through:Lat. 13°N/ Long. 85°E, Lat. 18°N/ Long 90°E and Lat.21°N/ Long. 93°E on 31st May; LAT 13°N/ Long. 85°E, Lat. 18°N Long 90°E, Lat. 20°N/ Long 91°E, Aizwal, Lat. 24°N/ Long 93°E(Chura Chandpur),and Lat.25°N/ Long. 95°E on 1st & 2nd June; Lat. 14°N/ Long. 85°E, Lat. 19°N/ Long. 90°E, Agartala, Lumding, north Lakhimpur and Lat. 29°N/ Long. 90°E on 3rd, Lat. 14°N/ Long. 85°E, Lat. 19°N/ Long. 90°E, Agartala, Lumding, north Lakhimpur and Lat. 29°N/ Long. 95°E on 4th & 5th and through , Lat. 17°N/ Long. 85°E, Lat. 19°N/ Long. 90°E, Agartala, Lumding, north Lakhimpur and Lat. 29°N/ Long. 95°E on 6<sup>th</sup> June.

The Southwest Monsoon further advanced into: some more parts of northeast Bay of Bengal and some parts of Mizoram & Manipur on 1st June; some more parts of southwest, westcentral, eastcentral & northeast Bay of Bengal, most parts of Tripura, remaining parts of Nagaland, Manipur & Mizoram and some parts of Assam & Arunachal Pradesh on 3<sup>rd</sup> , remaining parts of southwest Bay of Bengal and some more parts of westcentral Bay of Bengal on 4th and into some more parts of West Central Bay of Bengal, remaining parts of eastcentral Bay of Bengal and some more parts of northwest Bay of Bengal on 6<sup>th</sup> June.

The last week cyclonic circulation over Sub Himalayan West Bengal &neighbourhood extending up to 0.9 km above mean sea level lay over west Assam &neighbourhood& a trough from this system at 0.9 km above mean sea level ran up to Nagaland on 31<sup>st</sup>, the Cyclonic Circulation persisted extending up to 1.5 km above mean sea level but the trough from this system to Nagaland became less marked on 1<sup>st</sup>June and the Cyclonic circulation became less marked on 2<sup>nd</sup>June.

Last Week trough in Westerlies at 5.8 km above mean sea level roughly along Long 93° E to the north of Lat 22° N became less marked on 01<sup>st</sup> June.

A cyclonic circulation lay over Sub Himalaya West Bengal and adjoining Bihar extending between 2.1 & 3.1 km above mean sea level on 2<sup>nd</sup>and a trough ran from this cyclonic circulation to north Bay of Bengal across Bangladesh at 3.1 km above mean sea level on 2<sup>nd</sup>, It lay over Bangladesh & neighbourhood between 2.1 & 3.1 km above mean sea level on 3<sup>rd</sup>,it persisted between 3.1 & 4.5 km above mean sea level on 4<sup>th</sup> and it became less marked on 5<sup>th</sup> .

A cyclonic Circulation lay over South Bihar & adjoining Jharkhand extending up to 1.5 km above mean sea level on 2<sup>nd</sup> ,it lay over Bihar & neighbourhood on 3<sup>rd</sup> a trough ran from this system up to Nagaland at 0.9 km above mean sea level on 3<sup>rd</sup> , this cyclonic circulation merged with an East-West trough ran from Punjab to Gangetic West Bengal across Haryana ,North Madhya Pradesh, NorthChhattisgarh& Jharkhand extending up to 1.5 km above mean sea level on 4<sup>th</sup> ,it ran from Punjab to interior odisha across Haryanan, NorthEast Rajasthan ,North Madhya Pradesh and North Chhattisgarh extending up to 1.5 km above mean sea level on 5<sup>th</sup>,it persisted on 6<sup>th</sup> .

A Cyclonic Circulation lay over South Bihar & neighbourhood between 4.5 & 5.8 km above mean sea level on 5<sup>th</sup> ,it became less marked on 6<sup>th</sup> .

A Cyclonic Circulation lay over North East Chattisgarh& neighbourhood extending between 1.5 & 2.1 km above mean sea level on 5<sup>th</sup> , lay over Jharkhand & neighbourhood on 6<sup>th</sup> .

Rainfall distribution and weather activity:

Available data indicate that light to moderate rain occurred at most places over Tripura,many places over Meghalaya and light rain occurred at most places over Manipur & Mizoram,at few places over Arunachal Pradesh and dry weather prevailed over Nagaland on 31<sup>st</sup> June 2018.

Light to moderate rain occurred at most places over Tripura, at few places over Assam, Nagaland, Manipur & Mizoram,light rain occurred at a few places over Meghalaya and at isolated places over Arunachal Pradesh on 1<sup>st</sup> June'18.

Light to moderate rain occurred at most places over Tripura, at many places over Meghalaya, Nagaland & Mizoram, at a few places over Assam with isolated heavy falls. Light rain occurred at a few places over Arunachal Pradesh & at isolated places over Manipur on 2<sup>nd</sup> June'18.

Light to moderate rain occurred at many places over Assam,Meghalaya,Manipur & Mizoram,at a few places over Arunachal Pradesh,Nagaland and Tripura on 3<sup>rd</sup> June'18.

Light to moderate rain occurred at most places over Nagaland,Manipur & Mizoram ,at many places over Arunachal Pradesh ,at a few places over Assam,Meghalaya & Tripura with isolated heavy falls over Mizoram on 4<sup>th</sup> June'18.

Light to moderate rain occurred at most places over Meghalaya & Mizoram,at a few places over Nagaland & Tripura.Light rain

occurred at isolated places over Arunachal Pradesh & Assam on 5<sup>th</sup> June'18.

Light to moderate rain occurred at most places over Meghalaya & Mizoram, at many places over Nagaland, at a few places over Tripura, at isolated places over Arunachal Pradesh & Assam with isolated heavy falls over Assam on 6<sup>th</sup> June'18.

Temperature distribution during the period from 31.05.2018 to 06.06.18

States	31.05.2018.		01.06.2018.		02.06.2018.		03.06.2018.		04.06.2018.		05.06.2018.		06.06.2018.	
	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night
Ar.Pradesh	N		N		AN		BN		MAN		N		MAN	
Assam	AAN		N		AN		N		AAN		MAN		MAN	
Meghalaya	N		N		N		N		AAN		AN		AN	
Nagaland														
Manipur	MAN		N		N		N		AAN		MAN		AAN	
Mizoram														
Tripura	MAN		MBN		N		AN		N		AN		AN	

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 06.06.2018					for the period from 01. 3.18. to 06.06.18.				
	Excess	Normal	Deficient	Scanty	No Rain	Excess	Normal	Deficient	Scanty	No Rain
Arunachal Pradesh	0	0	1	13	0	0	0	1	12	0
Assam & Meghalaya	0	3	3	24	2	0	3	5	23	2
Nagaland, Manipur, Mizoram & Tripura	5	4	3	2	1	4	4	5	2	0

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

**Chief Amount Of Rainfall (cm):**

**31.05.2018:**

Kailasahar=6, Agartala A/P= 5, Barapani =4, A.D.Nagar ,Sabroom ,Dharmanagar ,Amarpur ,Sonamura= 3(each), Udaipur ,Kanchanpur ,Umiam ,Shillong ,Belonia ,Amraghat =2(each), Dholai ,Khowai ,Kamalpur ,Tezu ,Karimganj ,Matijuri ,Bagafa ,B P Ghat =1(each).

**01.06.2018:**

Dharmanagar=10, Beki Rd. Bridge=5, Kailasahar & Aie N H Xing=4each, Amarpur, Puthimari, Gandachera, Belonia, Sabroom & Bagafa=3each, Khowai, Manas N H Xing, Kokrajhar & Kanchanpur=2each, Numaligarh, Dhubri, Guwahati A/P, Umiam ,Sonamura, Beki-Mathanguri, Dhubri(Cwc), Bahalpur, Panbari & Golaghat( Cwc)=1each.

**02.06.2018:**

Dillighat=7, A.D.Nagar= 6, Shillong= 5, Naharkatia= 4, Deomali ,Agartala A/P ,Bihubar ,Silchar ,Maranhat ,Tawang (Aws) =2(each), Lumding ,Tinsukia ,Bishalgarh ,Matijuri ,Badatighat ,Lengpui ,Chotabekra ,Dholai =1(each),

**03.06.2018:**

B P Ghat & Badatighat=5each, Bihpuria (Aws), Amraghat & Agartala A/P=3each, Bhalukpong, Imphal A/P, Lengpui, Jia Bharali N T Xing & Kohima=2, Gharmura, N/Lakhimpur, Jorhat, Dhubri(Cwc), Neamatighat, Senapati (Aws), Lunglei, Dholai, Chottabekra, Seppa, Matijuri ,Along(Aws), Majbat & M.C. Itanagar=1each.

**04.06.2018:**

Jharnapani = 13, Serchhip = 12, Longleng(AWS) & Aizwal = 5 each, Kailasahar , Kamalpur & Deomali = 4 each, Khowai , Zunheboto(AWS) & Kanchanpur =3 each, Dillighat , Tuensang(AWS) , Dharamtul , M.C. Itanagar , Jia Bharali N T Xing , Churachandpur , Barapani , Tezpur , Motunga , Wokha(AWS) , Kohima & Lengpui =2 each, Dimapur (AWS) , Badatighat , Agartala A/P , Lunglei , Margherita , Mon & Tezu = 1 each.

**05.06.2018:**

Agartala A/P=5,Serchhip ,A.D.Nagar= 4(each),Dhubri ,Dhubri(Cwc) ,Sohra(Rkm) =3 (each),Khowai ,Kohima ,Amraghat ,Dholai ,Aizwal ,Jharnapani ,Bagafa ,Sabroom= 2(each),Tawang (Aws) ,Sohra ,Lunglei ,Belonia= 1(each),

**06.06.2018:**

B P Ghat =11,Kolasib= 10,Silchar =9,A P Ghat =8,Dharmanagar ,Kailasahar= 7(each),Serchhip ,Matijuri ,Amraghat =6(each),Barapani= 4,Karimganj ,Shillong =3(each),Lengpui ,Gharmura ,Neamatighat ,Kalaktang =2(each),Kohima ,Sohra(Rkm) ,Kherunighat ,Khowai ,Nongpoh =1(each)