

**WEEKLY WEATHER REPORT FOR ARUNACHAL PRADESH, ASSAM, MEGHALAYA, NAGALAND, MANIPUR, MIZORAM AND TRIPURA FOR THE WEEK ENDING ON 16-08-2017**

**SYNOPTIC FEATURE :**

*Last week, the upper air cyclonic circulation over northern parts of Madhya Pradesh lay over West Uttar Pradesh & neighbourhood extended upto 0.9 km above mean sea level on 10<sup>th</sup> and became less marked on 11<sup>th</sup>. The trough from South Punjab to Gangetic West Bengal at 0.9 Km above mean level across south Uttar Pradesh & Jharkhand became less marked on 10<sup>th</sup>.*

*The axis of monsoon trough at mean sea level passed through Amritsar, Karnal, Bareilly, Gorakhpur, Muzaffarpur, Goalpara and thence eastwards to east Assam. Another branch passes through Muzaffarpur, Bhagalpur, Shantiniketan and thence Southeastwards to north Bay of Bengal on 10<sup>th</sup>, it passed through Amritsar, Karnal, Bareilly, Gorakhpur, Muzaffarpur, Goalpara and thence eastwards to east Assam on 11<sup>th</sup>, it continued to run close to the foothills of Himalayas on 12<sup>th</sup> & 13<sup>th</sup>, the axis of western end of monsoon trough at mean sea level ran close to foot hills of Himalayas & the eastern end of monsoon trough passed through Patna, Bankura, Digha and thence southeast wards to north Bay of Bengal on 14<sup>th</sup>, the axis of western end of monsoon trough at mean sea level continued to run close to foothills of Himalayas & the eastern end of monsoon trough also continued to pass through Patna, Bankura, Digha and thence southeastwards to north Bay of Bengal on 15<sup>th</sup>, the axis of western end of monsoon trough at mean sea level continued to run close to foothills of Himalayas & the eastern end of monsoon trough passed through Muzaffarpur, Purnea, Malda and thence southeast towards to northeast Bay of Bengal across Bangladesh on 16<sup>th</sup>.*

*A trough ran from east Bihar to south Assam and extended upto 0.9 Km above mean sea level on 12<sup>th</sup>, it ran from eastern parts of Bihar & adjoining Sub-Himalayan West Bengal to northwest Bay of Bengal and extended upto 1.5 km above mean sea level on 13<sup>th</sup> and it became less marked on 14<sup>th</sup>.*

*An upper air cyclonic circulation lay over eastern parts of Bihar & neighbourhood and extends upto 5.8 Km above mean sea level on 12<sup>th</sup>, it lay over eastern parts of Bihar & adjoining Sub-Himalayan West Bengal and extended upto 5.8 km above mean sea level on 13<sup>th</sup>, it lay over northwest Bihar & neighbourhood and extended upto 2.1 km above mean sea level on 14<sup>th</sup>, it lay over northeast Uttar Pradesh & neighbourhood and extended upto 1.5 km above mean sea level on 15<sup>th</sup>, and it became less marked on 16<sup>th</sup>.*

*An upper air cyclonic circulation lay over west Assam & neighbourhood at 3.1 Km above mean sea level on 16<sup>th</sup>.*

**RAINFALL DISTRIBUTION AND WEATHER ACTIVITY :**

*South West monsoon was vigorous over Arunachal Pradesh and active over Assam & Meghalaya on 10<sup>th</sup>, it was vigorous over Arunachal Pradesh and active over Assam, Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 11<sup>th</sup>, it was active over Arunachal Pradesh, Assam, Meghalaya, Nagaland, Manipur, Mizoram & Tripura on 12<sup>th</sup>, it was active over Assam & Meghalaya on 13<sup>th</sup> and it was active over Nagaland, Manipur, Mizoram & Tripura on 16<sup>th</sup>.*

*Available data indicates that isolated very heavy to extremely heavy falls over Arunachal Pradesh on 10<sup>th</sup> & 11<sup>th</sup>, over Assam on 11<sup>th</sup> & 12<sup>th</sup>, over Meghalaya on 10<sup>th</sup>, 11<sup>th</sup>, 13<sup>th</sup> & 14<sup>th</sup>; isolated heavy to very heavy rainfall over Assam on 10<sup>th</sup> & 13<sup>th</sup>, over Tripura on 11<sup>th</sup> & 16<sup>th</sup>; isolated very heavy rainfall over Manipur on 10<sup>th</sup>, over Mizoram on 13<sup>th</sup>, over Tripura on 12<sup>th</sup> and isolated heavy falls over Arunachal Pradesh on 14<sup>th</sup>, over Assam on 14<sup>th</sup> & 15<sup>th</sup>, over Meghalaya on 16<sup>th</sup>, over Mizoram on 11<sup>th</sup>, 14<sup>th</sup> & 16<sup>th</sup>.*

*Available data indicate that moderate to heavy rain occurred at most places over Arunachal Pradesh on 11<sup>th</sup> & 12<sup>th</sup>, over Assam on 11<sup>th</sup> & 12<sup>th</sup>, over Meghalaya on 11<sup>th</sup> & 13<sup>th</sup>, over Mizoram on 12<sup>th</sup>, and over Tripura on 12<sup>th</sup>,*

*Available data indicate that moderate rain occurred at isolated places over Meghalaya on 12<sup>th</sup>, over Nagaland on 12<sup>th</sup>, over Manipur on 12<sup>th</sup>*

*Available data indicates that light to moderate rain occurred at most places over Arunachal Pradesh on 10<sup>th</sup>, 13<sup>th</sup> & 14<sup>th</sup>, over Assam on 10<sup>th</sup>, 13<sup>th</sup>, 14<sup>th</sup> & 15<sup>th</sup>, over Meghalaya on 10<sup>th</sup>, 14<sup>th</sup>, 15<sup>th</sup> & 16<sup>th</sup>, over Nagaland on 15<sup>th</sup>, over Manipur on 10<sup>th</sup>, 15<sup>th</sup> & 16<sup>th</sup>, over Mizoram on 10<sup>th</sup>, 15<sup>th</sup> & 16<sup>th</sup> and over Tripura on 10<sup>th</sup>, 11<sup>th</sup>, 15<sup>th</sup> & 16<sup>th</sup>; at many places over Arunachal Pradesh on 16<sup>th</sup>, over Assam on 16<sup>th</sup>, Nagaland on 10<sup>th</sup>, 14<sup>th</sup> & 16<sup>th</sup>, over Manipur on 11<sup>th</sup>, 13<sup>th</sup> & 14<sup>th</sup>, over Mizoram on 14<sup>th</sup>, over Tripura on 13<sup>th</sup>; at a few places over Tripura on 14<sup>th</sup>, and at isolated places over Arunachal Pradesh on 15<sup>th</sup>*

*Available data indicates that light rain occurred at many places over Nagaland on 11<sup>th</sup> & 13<sup>th</sup> and over Mizoram on 11<sup>th</sup> & 13<sup>th</sup>.*

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

	For the week ending on 16.08.2017					For the period from. 01.6.2017 to 16.08.2017				
	Excess	Normal	Deficient	Scanty	No Rain	Excess	Normal	Deficient	Scanty	No Rain
Arunachal Pradesh	9	2	1	1	0	4	3	4	3	0
Assam & Meghalaya	19	6	4	1	0	5	17	9	0	0
Nagaland, Manipur, Mizoram & Tripura	6	2	1	7	0	6	6	1	5	0

<sup>5</sup>  
**Excess +20%, Normal 19% to -19%, Deficient -20% to -59%, Scanty -60% to -99% and No Rain -100%**

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**Chief amount of rainfall ( in cm):**

**10.08.17:** Mawsynram=33,Roing= 26,Sohra(Rkm)= 24,Passighat ,Gossaigaon =18(each),Sohra =17,Tuting= 13,Porompat(Aws) ,Aie N H Xing= 12(each),Panbari ,Kokrajhar= 11(each),Anini(Aws) ,Beki-Mathanguri =10(each),Tezu =9,M.C. Itanagar= 8,Barpeta ,Beki Rd. Bridge ,Manas N H Xing ,Itanagar= 7(each),Hazuwa ,Goalpara(Cwc) ,Williamnagar= 6(each),Goalpara ,Tawang (Aws) ,Nalbari ,Goibergaon ,Badatighat ,Tamulpur= 5(each),Miao ,Shella ,Sonamura ,Bahalpur ,Guwahati A/P(Aws) ,Mushalpur (Aws) ,Dhubri(Cwc)= 4(each),Guwahati A/P ,Drf ,Bishalgarh ,Karimganj ,Shillong (Aws) ,Namsai =3(each),Shillong ,N/Lakhimpur ,Dhubri ,Chouldhowaghat ,Majbat ,Jia Bharali N T Xing ,Dharamtul ,Serchip ,Seppa ,A.D.Nagar ,Tezpur ,B P Ghat ,Barapani= 2(each),Tangla ,Rangia ,Dhemaji (Aws/ Isro) ,Dhollabazar ,Dhekiajuli ,Tikrikilla ,Haflong ,Chotabekra ,Bhalukpong ,Puthimari ,Chaparmukh ,Mangaldai (Aws) ,Changlang ,Deomali ,Silchar ,Agartala A/P ,Margherita ,Dibrugarh A/P ,Motunga ,Sabroom =1(each).

**11.08.17 :** Sohra(RKM) = 38 , Sohra= 30 , Kokrajhar= 28 , Gossaigaon & Passighat= 23 each , Shillong= 20 , Aie N H Xing & Panbari =19 each, Goibergaon , A.D.Nagar & Tezu= 15 each , Beki-Mathanguri= 14 , Sabroom , DRF & Williamnagar= 13 each , Goalpara(CWC) & Motunga =12 each , Goalpara , Barpeta , Hazuwa & Tamulpur =11 each , Barapani , Agartala A/P & Chouldhowaghat =10 each , Mushalpur (AWS) , Beki Rd. Bridge & Tezpur =9 each, Anini(AWS) ,Majbat , Dhollabazar , Itanagar & Manas N H Xing= 8 each , Bahalpur , Dhubri(CWC) , Nalbari , Jia Bharali N T Xing , Dhemaji (AWS/ ISRO) , N/Lakhimpur , Namsai & Serchip= 7each , Tikrikilla ,Miao & Dhubri =6 each , M.C. Itanagar , Dibrugarh A/P , Rangia , Belonia & Dibrugarh (AWS)= 5 each , Karimganj , Khowang , Amarpur , Dharamtul , Tangla , Lunglei , Badatighat , Dhekiajuli & Maranhat= 4 each , Tawang (AWS) , Guwahati A/P(AWS) , Guwahati A/P , Tinsukia , Bhalukpong, Udaipur & Naharkatia= 3 each , Jorhat , Margherita , Deomali , Chotabekra , Daporijo , Sonamura , Kherunighat , Kampur , Numaligarh , Dillighat , Kailasahar , Porompat(AWS) , Puthimari , Seppa & Golaghat= 2 each , Neamatighat , Aizwal , Dharmanagar , Changlang , A P Ghat , B P Ghat , Silchar , Chaparmukh , Kanchanpur , Nongpho , Golaghat( CWC) & Gharmura =1 each.

**12.08.17:** Gossaigaon =37,Sohra= 28,Panbari =26,Aie N H Xing= 24,Sohra(Rkm) ,Kokrajhar= 22 (each),Beki-Mathanguri= 21,Manas N H Xing ,A.D.Nagar= 14(each),Barpeta ,Beki Rd. Bridge= 12(each),Sonamura ,Kanchanpur ,Bahalpur =11(each),Dhubri(Cwc) ,Agartala A/P ,Khowai ,Bishalgarh =9(each), ,Goalpara(Cwc) =8,Goalpara ,Hazuwa ,Lengpui ,Dharmanagar ,Tezu ,Shillong (Aws) ,Shillong ,Aizwal =7(each), Dhollabazar ,Goibergaon= 6 (each),Passighat ,Barapani ,Sabroom =5(each),Kailasahar ,Karimganj ,Rangia ,Motunga ,Anini(Aws) ,Silchar= 4(each), A P Ghat ,Matijuri ,Drf ,Tikrikilla ,Dhubri ,Nalbari ,Tangla ,Guwahati A/P(Aws) ,Chouldhowaghat ,Majbat ,Guwahati A/P= 3(each),Kherunighat ,Haflong ,B P Ghat ,Dillighat ,Naharkatia ,Seppa ,Kohima ,Miao ,Kohima (Aws) ,Senapati (Aws) ,Tezpur ,Dholai ,M.C. Itanagar =2(each),Margherita ,Maranhat ,Dimapur (Aws) ,Puthimari ,Lakhipur ,Mangaldai (Aws) ,Kampur ,Amraghat ,Tinsukia ,N/Lakhimpur ,Borkhetri (Aws) ,Imphal A/P ,Bhalukpong ,Chaparmukh ,Golaghat ,Sibsagar ,Golaghat( Cwc) ,Deomali ,Bokajan ,Phek(Aws) ,Dibrugarh A/P =1 (each).

**13.08.17.:** Sohra =21, Sohra(RKM)= 18, Williamnagar= 15, Lunglei & Gossaigaon =14 each, DRF =13, Panbari & Shella =10 each, Gandacherra=7, Belonia ,Shillong ,Shillong (AWS) & Karimganj =6 each, M.C. Itanagar= 5, Kokrajhar ,Goalpara(CWC) ,Tawang (AWS) & Goalpara =4 each, Roing ,Sonamura ,Rangia & Bahalpur= 3, Barapani ,Chouldhowaghat ,Dillighat ,Bhalukpong ,Seppa ,Barpeta ,B P Ghat ,Kailasahar ,Sibsagar ,Badatighat ,N/Lakhimpur ,Tangla ,Puthimari ,Guwahati A/P(AWS) ,Porompat(AWS) ,Borkhetri (AWS) ,Manas N H Xing & Guwahati A/P =2, Beki Rd. Bridge ,A P Ghat ,Passighat ,Motunga ,Beki-Mathanguri ,Numaligarh ,Daporijo ,Maranhat ,Aie N H Xing ,Kherunighat ,Agartala A/P ,Dhubri ,A.D.Nagar ,Dhubri(CWC) ,Haflong ,Hazuwa ,Naharkatia ,Tezu ,Silchar ,Lumding & Dharmanagar= 1 each.

**14.08.17.:** Gossaigaon=37,Sohra= 28,Panbari =26,Aie N H Xing= 24,Sohra(Rkm) ,Kokrajhar= 22(each),Beki-Mathanguri =21,Manas N H Xing ,A.D.Nagar =14(each),Barpeta ,Beki Rd. Bridge =12(each),Sonamura ,Kanchanpur ,Bahalpur= 11(each),Dhubri(Cwc) ,Agartala A/P ,Khowai ,Bishalgarh =9(each), Goalpara(Cwc) =8,Goalpara ,Hazuwa ,Lengpui ,Dharmanagar ,Tezu ,Shillong (Aws) ,Shillong ,Aizwal= 7(each),Dhollabazar ,Goibergaon= 6(each),Passighat ,Barapani ,Sabroom= 5(each),Kailasahar ,Karimganj ,Rangia ,Motunga ,Anini(Aws) ,Silchar =4(each),A P Ghat ,Matijuri ,Drf ,Tikrikilla ,Dhubri ,Nalbari ,Tangla ,Guwahati A/P(Aws) ,Chouldhowaghat ,Majbat ,Guwahati A/P= 3(each),Kherunighat ,Haflong ,B P Ghat ,Dillighat ,Naharkatia ,Seppa ,Kohima ,Miao ,Kohima (Aws) ,Senapati (Aws) ,Tezpur ,Dholai ,M.C. Itanagar= 2(each),Margherita ,Maranhat ,Dimapur (Aws) ,Puthimari ,Lakhipur ,Mangaldai (Aws) ,Kampur ,Amraghat ,Tinsukia ,N/Lakhimpur ,Borkhetri (Aws) ,Imphal A/P ,Bhalukpong ,Chaparmukh ,Golaghat ,Sibsagar ,Golaghat( Cwc) ,Deomali ,Bokajan ,Phek(Aws) ,Dibrugarh A/P= 1(each).

**15.08.17:** Beki-Mathanguri=7,B P Ghat ,Sohra =6 (each),Sonamura ,Lunglei =5(each),A P Ghat ,Serchip ,Kokrajhar ,Amarpur ,Gossaigaon ,Karimganj =4(each),Bahalpur =3,A.D.Nagar ,Passighat ,Lengpui ,Shillong ,Golaghat ,Tinsukia ,Panbari ,Chotabekra ,Lakhipur= 2(each),Phek(Aws) ,Lumding ,Aie N H Xing ,Kajalgaon(Aws) ,Aizwal ,Matijuri ,Barapani ,Agartala A/P ,Kailasahar ,Sibsagar ,Dillighat ,N/Lakhimpur ,Jia Bharali N T Xing ,Borkhetri (Aws) ,Margherita ,Silchar ,Jorhat ,Khowai= 1(each).

**16.08.17** Amarpur= 13,Lunglei =11,Udaipur =10,Sohra= 8,Gandachera ,Williamnagar =6 (each),Sohra(Rkm) ,Passighat= 5(each),Daporijo =4,Bishalgarh ,Chouldhowaghat ,Sonamura ,Silchar ,Haflong ,Miao ,Chotabekra= 3(each),Naharkatia ,Shella= 2(each),A P Ghat ,Serchip ,Agartala A/P ,Dillighat ,Barapani ,A.D.Nagar ,Phek(Aws) ,Bagafa ,Dimapur (Aws) ,Margherita ,B P Ghat ,Changlang ,Tawang (Aws) ,Tinsukia ,Kailasahar ,Kokrajhar ,Borkhetri (Aws) ,Bokajan= 1(each).