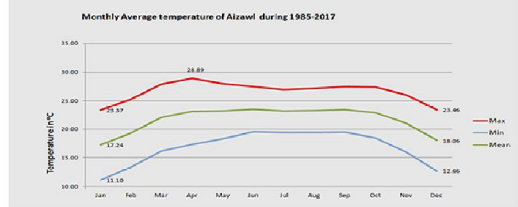
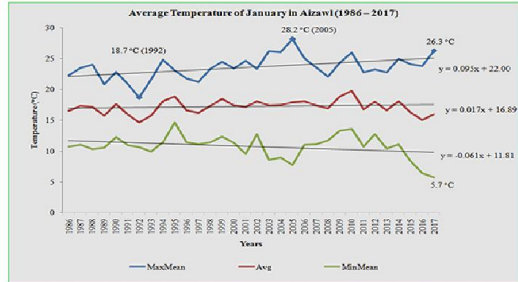


Sawi tawh angin Mizoram pumpui data hi duhthusang am a awm lova, amaherawhchu Aizawl bik ah hian Border Road Organization (BRO) project Pushpakh, Zemabawk ah hian India Meteorological Department (IMD) tanpuinain mumal taka sik leh sa data hi chhinchhiah a ni a. Aizawl sik leh sa awmdan tlangpui kum 1985 atanga kum 2017 thlang a hnuai ah hian tarlan a ni.



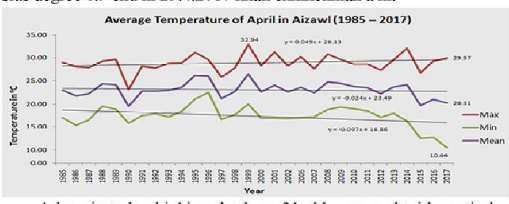
Sik leh sa inthlak danglam dan tlangpui hriat theitn tu turin kum 32 chhunga khaw vawh ber lai leh khaw lum ber lai enchhin a ni a. A chhunga kan hmuh ang hian thla bil khat chhunga nitin a khaw lum ber lai te, khaw vawh ber lai leh a chawhruai te kum 32 chhunga chawhruai tarlan a ni a, chawhruai kum tin a vawh ber lai chu January thla a ni thi a lang a, a lum ber thla chu April a ni thi a lang bawk.



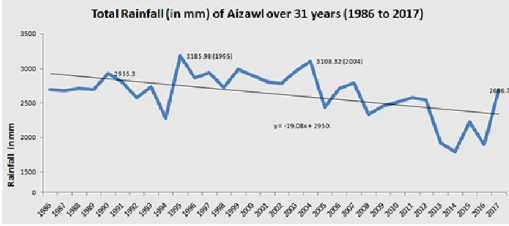
A chhunga tarlan hi Aizawl January thla bik chawh rual a khaw lum ber lai te, khaw vawh ber lai te leh an chawhruai kum 31 chhunga a inthlak danglam dan a ni a. Khaw lum lai ber chawhruai hi kum tin celsius degree 0.095 in a sang chho a, khaw vawh lai ber hi kum tin celsius degree 0.061 in a tahniam bawk. Khaw vawh ber lai leh lum ber lai chawhruai hi kum tin celsius degree 0.017 in a pung chho thung. January thla bikah hian kum 1986 atanga kum 2017 chhunga a khaw lum lam teha a tawn san ber celsius degree 30.7 chu ni 22.1.2017 khan a ni a, a vawh lam teha hian ber tum celsius degree 2.7 chu ni 13.1.2017 khan chhinchhiah a ni a, tin hei hi kum 31 chhunga khaw vawh lam teha a vawt bera chhinchhiah a ni bawk.

Contact: Mizoram State Climate Change Cell, Mizoram Science, Technology & Innovation Council (MISTIC), Directorate of Science & Technology, Mizoram Secretariat Complex, Khatla Aizawl, Mizoram - 796001. Phone: 0389- 2336159 website: <https://mistic.mizoram.gov.in>

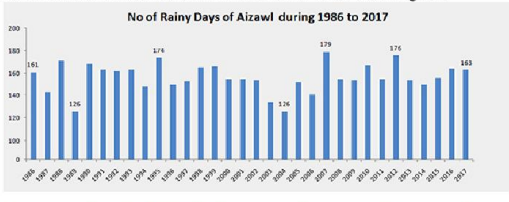
A hnuai tarlan hi Aizawl April thla bik chawh rual a khaw lum ber lai te, khaw vawh ber lai te leh an chawhruai kum 32 chhunga a inthlak danglam dan a ni a. Khaw lum lai ber chawhruai hi kum tin celsius degree 0.049 in a sang chho a, khaw vawh lai ber hi kum tin celsius degree 0.097 in a tahniam bawk. Khaw vawh ber lai leh lum ber lai chawhruai hi kum tin celsius degree 0.024 in a tahniam ve thung. April thla bikah hian kum 1985 atanga kum 2017 chhunga a khaw lum lam teha a tawn san ber celsius degree 36.7 chu ni 29.4.1999 khan a ni a, tin hei hi kum 32 chhunga khaw lum lam teha a lum ber a chhinchhiah a ni bawk. Kum 32 chhunga April thla a vawh lam teha hian ber tum celsius degree 6.9 chu ni 23.4.2017 khan chhinchhiah a ni.



A hnuai tarlan hi Aizawl a kum 31 chhunga ruatui kum tin kan dawn dan a ni a. Kan hmuh ang hian kum tin ruatui hi 19.08 mm in a tla hian hret hret a ni. Kum 1986 atanga kum 2017 chhunga ruatui tla hnam ber kum 1995 khan 3185.98 mm a tla a ni. Tin a tlem ber kum 2014 khan 1790.6 mm a tla a ni.



A hnuai a mi hi kum 31 (1986 - 2017) chhunga kum tin ruah sur ni zat tarlanna a ni a. Chawhruai in kum tin ni 156.34 sur ang ani.



KHUH HAWNNA

Weather (khaw chin) leh climate (sik leh sa)

Saptawng a 'climate' tih thumal hi kan hre ngun hile in a rinawm a, amaherawhchu a awmdia dik tak hi mi tam zawk hian kan chiang lovin 'weather' nen a hriat pawh kan awm fo pawh hi thil awm lo a ni lem lo. Heng thumal pahnih ten kawh an tuu danglamna han sawi hmasa ila. Weather hi **tun dinhmun** a kan chheh vel boruak a thil lo thlang (atmospheric condition); ruahsur, khawlum leh vawt, chhum zing, thil theh leh a dangte sawina a ni a. climate erawh kum engemaw zah chhung a weather awm dan tlangpui sawina a ni ve thung. Kan chhehvel boruak a thil lo thlang sawina ni ve ve mahse an thil sawi hnung chhung a in ang lova, chu chu an danglamna ani.

Weather leh climate danglamna hun bidhiah tak hi a awm lova, weather hi thil inthlak danglam reng thei a ni a, tun darkar chhung emaw, thla bi emaw hun chhung sawina a ni tlangpui. Climate erawh chu weather awmdan tlangpui awmze nei zawk a thlir a ngaih avangin mithiam te chuan kum 10 aia tlem lo hun chhung a weather awmdan tlangpui sawi nan an hmang thin.

Climate change

Khawvel sik leh sa hi hmasang ata tawh a lo inthlak danglam thin a, khawvel kalpung ve reng a ni. Kum singkhat chuang kal ta a khawvel hmum tam zawk vurin a khul vek lai (ice age) hmuhnung ber ai kham kan khawvel hi chawh rualin celsius degree 5 velin a lum tawh a ni. Kan chenna Lein ni a helna kawnga in chhawn dan (orbit) in thlak danglam hret avang te, kan chhehvel boruak lo inthlak te, ni zung lo thlen dan a danglam thin avangte leh khuanu ruat chhan hrang hrang avangin kan sik leh sa hi a lo danglam thin a, amaherawhchu kum 100 kal ta vel atang chuan hmuh theihin he kan khawvel sik leh sa hi a lo danglam chak ta em em a, a chhan bulpui ber a mithiam ten an sawi chu mihringte avang niin an sawi.

Sik leh sa lo inthlak danglam nasa a mihringte bultum lian chu he lei boruak a boruak chi hrang hrang awm green house gas te, kan bawh-lhawh pawh leh boruak thil bawh-lhawh avanga an lo pun chak em avang a ni ber a. Kan khawvel leilungin ni zung a lo dawn hian lumna tam tak chu van thengreng lamah a sawhkhawk leh lem thin a, chhum te, green house gas kan tih te leh boruak thil lo awm tam tak ten heng lumna hi van thengreng lama liam ral mai tur an lo dang then a, kan khawvel lum leh vawh dan tur vawngtu atan an pawimawh em em a ni. Green-house gas te hi an tam lam khuanu ruat dana tawh chiah a an awm reng a ngai thung a, an tlem lutuk chuan khawvel lo vawt tial tial anga, an tam lutuk erawh chuan a lo lum tial tial dawn thina a lo ni a.

United Nations Environment Programme (UNEP) leh World Meteorological Organization (WMO) te mangkawpin kum 1988 a an din khawvel ram 192 te telna Intergovernmental Panel on Climate Change (IPCC) chuan a din tih atanga tun thlengin khawvel hmum hrang hrang a scientist thiam bik sang tam tak ten climate change chhungchang an zir-

bingna te khaikhawmin Assessment Report (AR) a ti chluak thin a. Kum 2014 a tih chluah AR 5 in a tarlan danin kan khawvel chawhruai a lumna hi kum 1900 vel atanga tun thlang hian Celsius degree 1 dawn in a pung chho tawh a, 1950 hna lam aiin 1950 hnu lam hi a pung nasa leh zual bik hile an ti bawk. Chu miin a nghawng chu ruatui tlakdan danglam in khawvel hmar lam leh chhim lam (poles) hnaith lamah ruat tui a lo pung a, khawvel kiar lai (equator) hnaith lamte ah ruatui tla a tlem hret hret a, khawvel a vur tlang te pawh kum 30 chhung lekin hmun za a then a hmun 10 chuang zeng an lo niral zo tawh a, tuifniriat tui chim chin pawh tun kum 100 chhungin inches 7 leh a chanve velin a lo sang tawh bawk a ni.

Hetianga khawvel sik leh sa lo danglam chhoh chhan bul ber chu sawi tawh angin kan lirthei, factory, industry leh a dangte avanga fossil fuel kang khu boruak lo tam ta lutuk te, ram kang avanga boruak bawh-lhawh lo tam ta lutuk te leh chhan dang tam tak avangte a green house gas lo pung nasa avang a ni a, chuh'ng green house gas chi hrang hrang zinga tawh-lhawh zual te chu a hnuai a table ah hian tarlan a ni.

Greenhouse gas emission by type	Contribution
Carbon dioxide (fossil fuel)	57 %
Carbon dioxide (deforestation, biomass decay, etc)	17 %
Methane	14 %
Nitrous oxide	8 %
Carbon dioxide (other)	3 %
Fluorinated gases	1 %

MIZORAM SIK LEH SA

Mizoram hi kan hriat theuh angin tlang ram a ni a, khawvel a ruatui tam berna hmum tem ve phak a ni a. Ruatui kan dawng tha a, sik leh sa pawh a nuam tawh hle. Chutih rualin kan ram a chhengchhat avang leh ramngaw hmun tha kan suat nasat avangte, kan in sak dan leh kan nungnung in a zir loh vang te pawh a ni ang a, sik leh sa lo inthlak danglam chho mek zel hi kan tuar nasa chho ve ta hile mai a, tun hma a kan la hriat ngai loh khawlum zual te pawh kan tawng chho ve ta zeuh zeuh mai. India ram state hnufual zingah kan la awm a, kan ram a la retheih avangin sik leh sa inthlak danglamina a thlen khua reh chhiatna lo thlang mek leh lo thlang chho zel hi tuar nasa lehzual thei dinhmunah kan ding a ni.

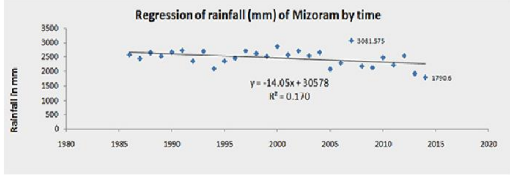
Sik leh sa lo inthlak danglam lak a lo inralinna turin khawvel ram dang te ke pen rualin India ram pawhin nasa takin hma a la chhova, keini Mizoramah pawh hmalkna chi hrang hrang kal pui chhoh mek zel a ni sik leh sa inthlak danglam avanga khua reh chhiatna lo thlang thei thil tlem emaw chumi laka kan inralin theihna turin sorkar pawhin thil tum fel tak a nei chho mek zel a, Kan boruak tibawh-lhawh lo zung a kan nungnung kan her danglam zel theih nan in zirirma leh inkaihruaina tha tak nei chho zel a ni bawk. Engpawh ni se, chu lam chu dultawkin kan Mizoram sik leh sa dinhmun tlangpui lo thlir dawn ila. Mizoram State Climate Change Cell chuan hmum hrang hrang atangin ruatui tam

CLIMATE (SIK LEH SA) LEH MIZORAM

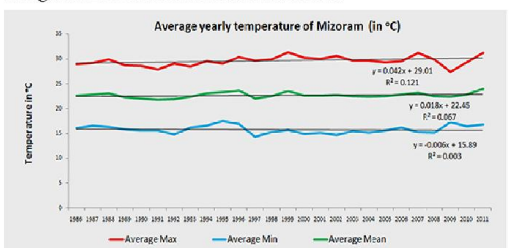


Mizoram State Climate Change Cell
Mizoram Science, Technology & Innovation Council
Directorate of Science & Technology
Government of Mizoram

lam leh khaw lum lam teha chhinchhiahna (data) te chu a la khawm a, zir bingna a kalpui mek a ni. Mizoram hmum hrang hrang ah data hi chhinchhiah ve thin ni mah se, mumal taka kalpui hi a tam lova, kum 1985 vel atang chauh kham data pawh mumal taka record a ni ve chauh a ni. kum 1985 atanga 2017 thlang kum 31 chhunga Mizoram sik leh sa dinhmun tlangpui a hnuai hian tarlan a ni.



Mizoram pumpui entir turin district hrang hrang atangin data lakhawm a ni a, data hi district thekthata a awm mumal loh avangin kum 1986 atanga tamin 2015 ah khairual a ni a, a chunga kan hmuh ang hian Mizoram pumaw chawhruaiin ruatui hi kum tin millimeter 14.05 zelin a tahniam hret hret zel a, ruatui a tlak tam ber kum hi kum 2007 kha nin 3081.58 mm a tla a ni. Kum 2014 kha ruatui tlem ber kum niin 1790.6 mm a tla ani. Chawhruaiin Mizoram ah kum 1986 atanga 2015 thlang kum 2693 mm kum tin ruatui a tla a ni.



Mizoram khaw lum leh vawh lam (temperature) hi data 2011 thlang in khairual a ni leh a, khaw lum leh vawh lam hi nitin a lum ber lai leh a vawh ber lai mai bakah an chawhruai te chhinchhiah zel a ni a. Chuh'ng thil chi thum chhinchhiah hran te chu kum khat chhung atan chawh rual leh nian, kum tin a danglam dan tlangpui chu a chungah hian tarlan leh a ni. Nitin a lum ber lai chawhruai hi kum tin celsius degree 0.04 zelin a pung chho hret hret a, a vawh ber lai chawhruai hi kum tin celsius degree 0.006 in a tahniam hret hret thung. Khaw lum ber lai leh vawh ber lai hi a inkar a zau hret hret zel a ni. Chutihruaiin nitin khawlum dan chawhruaiin chu celsius degree 0.018 in a pung chho thung a ni. Kum tin chawhruaiin khaw lum ber lai lum hret hretin khaw vawh ber lai vawt hret hret mah se, khawlum lam punna hi khaw vawh lam vawhna aia a san zawk hret avangin khaw lum dan chawhruai hi a sang chho hret hret tih a lang bawk.