



Government of Mizoram  
Directorate of Science and Technology  
STATE METEOROLOGICAL CENTRE

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**FUR RUAH TUI TLAK DAN TUR THLIRLAWKNA**  
(Long Range Forecast for the 2021 Southwest Monsoon Season Rainfall)

**KHAIKHAWMNA**

- India Meteorological Department chuan April 16, 2021(Zirtawpni) khan fur (June to September) chhunga ruah tui tlak dan tur thlirlawkna(Long Range Forecast for the 2021 Southwest Monsoon Season Rainfall) a tichhuak.
- He thlirlawkna ang chuan kumin fur lo thleng turah hian India ram pum ang chuan ruah tui tlak dan pangngai(normal i.e., 96% to 104% of Long Peiord Average)-in a tla tura ngaih a ni a. Hei hi kum thum chhung a zawna ruah tui tlak dan pangngai(normal)-a a tlakna tur a ni.
- India ram pum ang chuan Long Period Average atanga zaa 98(98% of Long Peiord Average) ruah tui tla tura ngaih a ni a, he thlirlawkna hi  $\pm 5\%$  velin a a danglam thei bawk. India ram pum ang chuan Long Peiord Average hi 88 cm (880 mm) a ni.
- India ram pum ang fur ruah tui tlak dan pangngai(normal) ni tura thlirlawk a nih lai hian Mizoram bikah chuan ruah tui tlak dan pangngai pha lo(below normal i.e., 90% to 96% of Long Peiord Average) ni tura ngaih a ni.
- Mizoram bakah India ram khaw chhak lam leh hmar chhak lam ho tan chuan Long Peiord Average hi 143.83 cm(1438.3 mm) a ni a, IMD thlirlawkna ang chuan kumin fur chhungin Mizoramah 1294.47 mm atanga 1380.77 mm inkar vel ruah tla tura ngaih a ni.

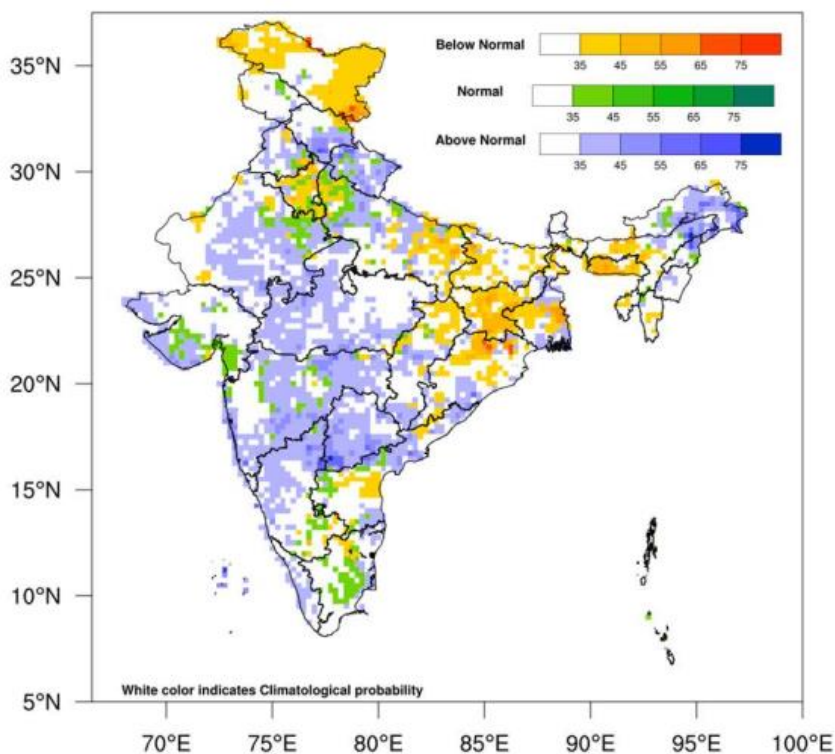
## 1. BACKGROUND

Kum 2003 aţang khan India Meteorological Department chuan kum tinin fur(June-September) chhunga India rama ruah tui tlak dan tur thlirlawkna(Operational Long Range Forecast for the Southwest Monsoon Season Rainfall) April thla leh May thla tawp lamah a tichhuak thin a. Kum 2021 fur lo thleng tur atan pawh April 16, 2021(Zirtawpni) khan fur chhunga ruah tui tlak dan tur thlirlawkna a tichhuak a ni. State Meteorological Centre, Directorate of Science and Technology, Planning and Programme Implementation Department, Government of Mizoram chuan India Meteorological Department thlirlawkna aţang leh meteorological data record a neih aţangin mipuite tana hriat thiam awlsam thei tur ang berin IMD thlirlawkna hi a buatsaih a ni.

## 2. THLIRLAWKNA

India Meteorological Department thlirlawkna ang chuan kumin fur lo thleng turah hian India ram pum ang chuan ruah tui tlak dan pangngai(normal i.e., 96% to 104% of Long Peiord Average)-in a tla tura ngaih a ni a. Hei hi kum thum chhung a zawna ruah tui tlak dan pangngai(normal)-a a tlakna tur a ni. India ram pum ang chuan Long Period Average aţanga zaa 98(98% of Long Peiord Average) ruah tui tla tura ngaih a ni a, he thlirlawkna hi  $\pm 5\%$  velin a a danglam thei bawk. India ram pum ang chuan Long Peiord Average hi 88 cm (880 mm) a ni.

India ram pum ang fur ruah tui tlak dan pangngai(normal) ni tura thlirlawk a nih lai hian Mizoram bikah chuan ruah tui tlak dan pangngai pha lo(below normal i.e., 90% to 96% of Long Peiord Average) ni tura ngaih a ni. Mizoram bakah India ram chhak lam leh hmar chhak lam ho tan chuan Long Peiord Average hi 143.83 cm(1438.3 mm) a ni a, IMD thlirlawkna ang chuan kumin fur chhungin Mizoramah 1294.47 mm aţanga 1380.77 mm inkar vel ruah tla tura ngaih a ni.



### 3. SAWIFIAHNA

**3.1. Long Period Average(LPA):** Long Period Average(LPA) chu kum 50 chhunga June to September thla inkara ruah sur zat chawh rual(average rainfall recorded during the months from June to September, calculated during the 50-year period) a ni. LPA a zirin fur laia ruah tlak dan tur thlirlawkna siam thin a ni. India ram pum ang chuan, kum 1961-2010 chhunga LPA chu 88 cm(880 mm) a ni. Chutih rualin, India Meteorological Department chuan ram chhung hmun hrang hrang tan LPA hi a hrang hrangin a hnuaia mi ang hian a siam bawk.

|                         |   |                       |
|-------------------------|---|-----------------------|
| East & North East India | = | 143.83 cm (1438.3 mm) |
| Central India           | = | 97.55 cm (975.5 mm)   |
| South Peninsular India  | = | 71.61 cm (716.1 mm)   |
| Northwest India         | = | 61.50 cm (615 mm)     |

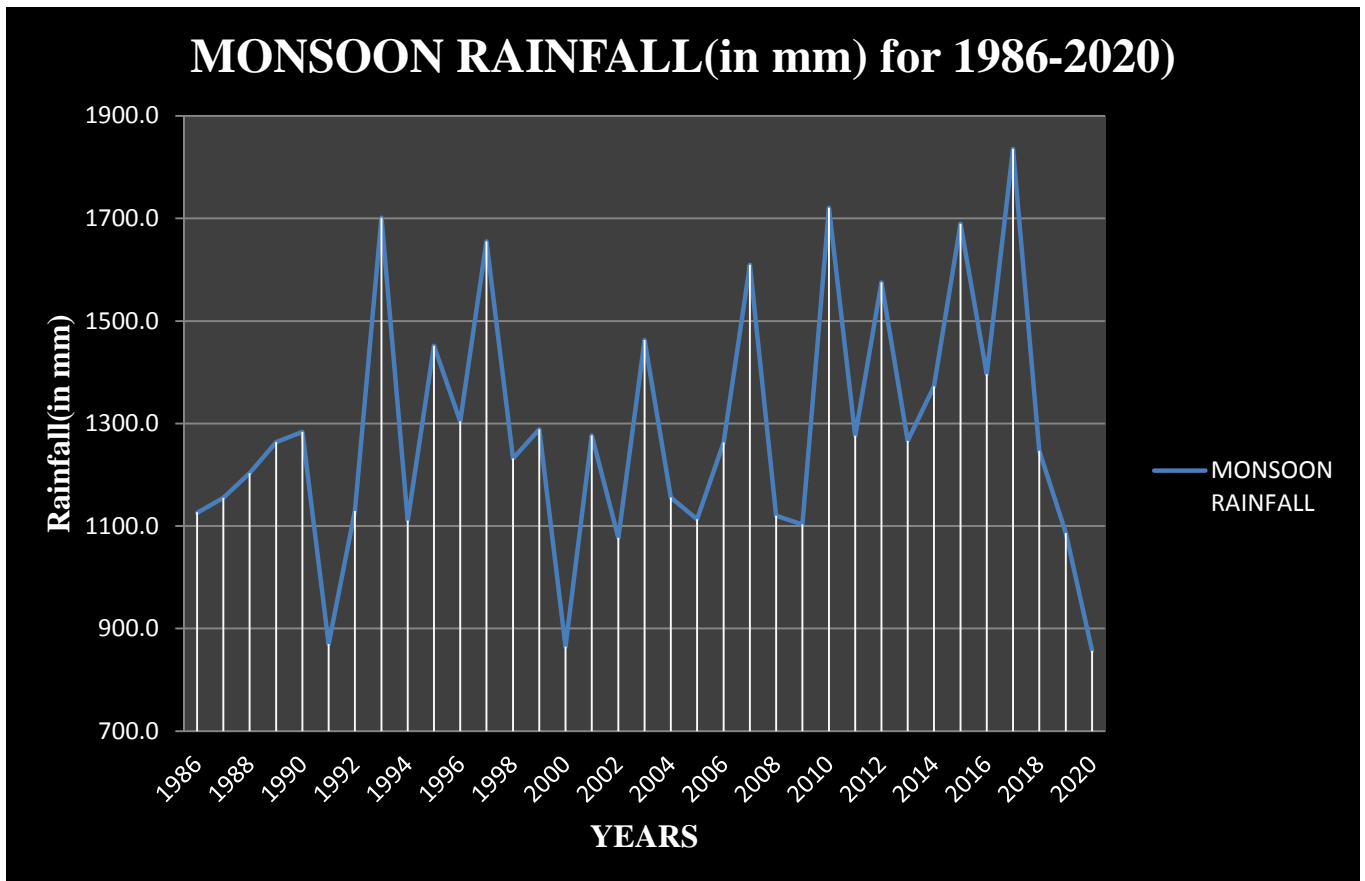
A chunga tarlan atanga a lan dan chuan, Mizoram leh India hmar chhak lam ho tana LPA chu 1438.3 millimetre a ni tihna a ni. A awmzia chu fur lai(June to September)ah hian Mizoram leh India hmar chhak lamah chuan ruah millimetre 1438.3 vel sur thin ang a ni tihna a ni.

**3.2. Ruah Tui Tam Lam A Zira Thliarhranna:** India Meteorological Department-in fur chhung khawchin thlirlawkna a siam hian ruah tlak tam leh tlem dan tur hlawm hrang hrangin a hnuaia mi ang hian a siam.

| Category                                 | Rainfall Range (% of LPA) | Sawifiahna   |
|--|---------------------------|--|
| Deficient (Ruah tlem)                    | < 90                      | LPA atanga 90% aia tlem tihna ni a. Mizoram tan chuan 1294.47 mm aia a tlem in Deficient a ni ang.                             |
| Below Normal (Ruah sur pangngai phalo)   | 90-96                     | LPA atanga 90% leh 96% inkar tihna ni a. Mizoram tan chuan 1294.47 mm leh 1380.77 mm inkar ruah a surin Below Normal a ni ang. |
| Normal (Ruah sur pangngai)               | 96-104                    | LPA atanga 96% leh 104% inkar tihna ni a. Mizoram tan chuan 1294.47 mm leh 1380.77 mm inkar ruah a surin Normal a ni ang.      |
| Above Normal (Ruah sur pangngai aia tam) | 104-110                   | LPA atanga 104% leh 110% inkar tihna ni a. Mizoram tan chuan 1380.77 leh 1582.13 mm inkar ruah a surin Above Normal a ni ang.  |
| Excess (Ruah sur tam)                    | >110                      | LPA atanga 110% aia tam tihna ni a. Mizoram tan chuan 1582.13 mm aia tam ruah a surin Excess a ni ang.                         |

#### 4. FUR CHHUNGA MIZORAMIN RUAH TUI A DAWN THIN DAN

State Meteorological Centre, Directorate of Science and Technology-in a chhinchhiah dan chuan kum 35 chhung(1986 aṅga 2020) khan fur laiin(June – Sepetember) kum tin ruah millimetre 1446.5 sur ang a ni a. Kum 2017 kha fur chhung bika ruah tui tlak tam ber kum niin June – September thla chhungin millimetre 1836.0 a tla a ni. Kum 2020 kha fur chhung bika ruah tui tlak tlem ber kum a ni a, June – September thla chhungin millimetre 856.4 chauh ruah tui a tla a ni.



A chungga graph hi kum 35 chhung(1986-2020)-a Mizoramin fur laia ruah tui a dawn dan a ni. Tunhnai kum thum chhung(2018-2020) khan fur laia ruah tui tla hi ruah tui tlak dan tur pangngai(average i.e., 1446.5 mm) leh IMD-in Long Period Average a siam(1438.3 mm) aiin ruah tui a tla tlem ziah a, kuminah pawh hian ruah tui tlak dan pangngai pha lo(below normal) tura thlirlawk a ni leh ta a ni.

## 5. CONCLUSION

India Meteorological Department thlirlawkna aṅang chuan India ram pum angin kum 2021-ah hian fur laia ruah tui tlak dan pangngai(normal)-in ruah tui a tla tura ngaih a ni a. Mizoramah crawh chuah ruah tui tlak dan pangngai pha lo(below normal) ni tura ngah niin kumin fur chhungin Mizoramah 1294.47 mm aṅanga 1380.77 mm inkar vel ruah tla tura ngaih a ni. Chutihruah chuan Mizoramah below normal tur kan tih hi India ram pum anga normal aiin a la tam zawk tho a. A chhan chu tehfung atana an hman Long Period Average kha a inan loh vang a ni. India ram pum anga Long Period Average chu 880 mm a nih laiin Mizoramah chuan 1438.3 mm a ni thung.

India Meteorological Department hian May thla tawp lamah thlirlawkna dang(update) a tichhuak leh dawn a. Chuta ṅang chuan a Chiang leh zual thei ang. Heng thlirlawkna kan tar lan hi thiamna hrang hrang leh khawl ṅha tak tak hmanga thlirlawkna ni mah se zaa zain a dik thlap thlap lo thei ve tho tih crawh hriat tel a ṅha ang.