

# ANALYSIS

Andaman and Nicobar Islands are situated in the Bay of Bengal in the longitude between 92 Degree to 94 Degree East and in the Latitude between 6 Degree to 14 Degree North. As per 2001 Census, 24 Islands in Andaman Group and 13 Islands in Nicobar Group are inhabited with a population of 208471 in South Andaman District, 105613 in North & Middle Andaman District and 42068 in Nicobar District.

**The** Climate of the Islands can be defined as humid, tropical, coastal climate, proximity to the equator and the sea ensures a hot, humid uniform climate. The Islands have rainfall from both the Southwest and Northeast monsoons and the maximum rainfall is between May to December.

## **RAINFALL**

**On** analyzing the rainfall recorded at Port Blair from 1949 to 2006, the lowest rainfall recorded was 1541.4 mm during 1979 and the highest rainfall recorded was 4362.4 mm during 1961. The Normal Rainfall at Port Blair is 3180 mm. On analyzing the Rainfall recorded in the Andaman District from 1967 to 2006, the lowest average rainfall was 1774.3 mm during 1979 and the highest average rainfall was 3651.1 mm during 1972. During 2007 to 2009 the lowest average rainfall in North & Middle Andaman district was 2849.8mm in 2007 and that in South Andaman District was 2325.3mm in 2009. Further the average rainfall was highest in both the District during 2008. Similarly in Nicobar District the lowest average rainfall was 1335.8 mm during 1982 and the highest average rainfall was 3923.8 mm during 1975.

## **TEMPERATURE**

**On** analyzing the Temperature of Mean Maximum at Port Blair from 1949 to 2009, the lowest Mean Maximum Temperature was recorded as 29.1<sup>o</sup> Celsius during 1976 and 1985 and the highest Mean Maximum Temperature was recorded as 30.8<sup>o</sup> Celsius during 1958 and 1969. Similarly lowest Mean Minimum Temperature was recorded as 20.4<sup>o</sup> Celsius during 1989 and the highest Mean Minimum Temperature was recorded as 24.5<sup>o</sup> Celsius during 2009.

## **HUMIDITY**

**On** analyzing the mean relative humidity percentage recorded at Port Blair from 1966 to 2009, the lowest humidity was recorded at 0830 hrs. as 75% during 1993 and the highest humidity was recorded at 0830 hrs. as 80% during 2008. Similarly the lowest humidity was recorded at 1730 hrs as 78% during 1976, 1979, 1983 and 1993 and the highest humidity was recorded at 1730 hrs as 82% during 1966, 1967, 1970, 1996, 1999 and 2008.

## **WIND SPEED**

**On** analyzing the mean wind speed (Km/Hrs) recorded at Port Blair 1975 to 2009, the lowest wind speed was recorded as 5.8 Km/Hrs during 2005 and the highest wind speed was recorded as 11.6 Km/Hrs during 1976.

## **EARTHQUAKE**

**On** analyzing the earthquake report, the maximum Magnitude of Earthquake recorded was 8.6 on the Richter scale hit on 26<sup>th</sup> December, 2004 and the Geographical location was west coast of Sumatra Island of Indonesia.