

# Analysis of regional droughts, magnitudes and comparison over Ballari district

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**ABSTRACT :** Drought generally initiates with the deficit of monsoon rains leading to meteorological drought and if prolonged, affects other sectors dependent on the water for its sustenance resulting in agricultural and hydrological droughts. The present study was conducted to analyse and compare meteorological drought occurrence over various stations of Ballari district, Karnataka. The rainfall data of 35 years (1978-2012) was considered for the present study. The various magnitudes of droughts (mild, moderate, severe and extreme) were analysed and compared by IMD and SPI criteria's. The drought frequency of one drought year was observed for every one and half year to two years.

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