



On the Variability of Summer Monsoon Rainfall over East Cost of India

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A study of the major portion of Monsoon Rainfall (M.R.) of West Bengal and Orissa (two coastal states of India whose total area is bigger than many European countries) during 1871-2005 has been made.

It is suggested that the nature of variability of M.R. is to be studied for the regions as a whole where M.R. is precipitated simultaneously. For example, by z-score and other methods of analysis it is found that M.R. of those two states vary in opposite manner but the total M.R. remains almost constant during the said long period.

Further it is found that the mean M.R. before and after 1946 are same in spite of the fact that the nature of deviations are almost in opposite phase.

Incidentally we have noted that 1946 was the year just after the World War Two and the explosion of first hydrogen bomb in this continent in the neighborhood of India.