

PREDICTABILITY OF SEVERE TROPICAL CYCLONES OVER NORTH INDIAN OCEAN-STATISTICAL EXPOSITION

SUTAPA CHAUDHURI AND SURAJIT CHATTOPADHYAY**

An attempt is made to discern the predictability of occurrence of Severe Tropical Cyclones (STC) over North Indian Ocean (Bay of Bengal & Arabian Sea). Statistical method is employed for the purpose. It is perceived from the present study that the prediction of occurrence of STC is possible, quite accurately, both over Bay of Bengal and Arabian Sea during the period from September to December but it is very difficult to predict the occurrence of STC over Bay of Bengal during the period from May to August. The result also reveals that turning of STC to storms with maximum sustained wind speed of 64 knots or more is very difficult to forecast.

Key Words : Severe Tropical Cyclones, Bay of Bengal, Arabian sea, predictability, Statistical method