Abstract:-

The purpose of the study water balance in hemrin dam reservoir is to evaluate ability of reservoir storage ,this evaleuate is based on volume of evaporation, inflow, outflow, rainfall, runoff after calculated important parameter ΔS, by applying water balance equation . then this content the implications of climate change for the hydrological cycle, water resources, and their management . Since the beginnings of concern over the possible consequences of global warming , it has been widely recognized that changes in the cycling of water between land , sea, and air could have very significant impacts across many sectors of the economy , society , and the environment.