

02. AIMS AND OBJECTIVES

To have a better understanding and to fill up the research gaps on reservoir ecosystem and biodiversity, this investigation has been formulated to establish the hydrographical characteristics and fish biodiversity. Against these backdrops, this investigation was conducted to research out the following objectives:

- Extensive survey, surveillance and accurate monitoring of piscine fauna in the reservoir along with water qualities for preparing a comprehensive inventory of taxa with digital images.
- Monitoring the abiotic factors of reservoir water indicating the water parameters viz. pH, free CO₂, total alkalinity, TDS, transparency, DO, specific conductivity, total hardness, temperature and chlorine.
- To measure the present species composition of finned fishes specified at Doyang Reservoir.
- Formulation of conservation assessment model based on fish Diversity Taxa, Diversity Index, Dominance status calculation etc.
- To measure the issues accountable for hampering the piscine biodiversity and fish production.
- To suggest protection, conservation and accurate management measures of the water resources in support to increase in fish production.