4. Aims and objectives:

The present project has two main aims and objectives.

Firstly, to undertake a thorough survey of aquatic and marshy land angiosperm flora of this district to systematically document the plant species and different categories of hydrophytes growing in the various water bodies including ponds, lakes, marshy areas.

Make documentation on the aquatic and marshy land angiosperm plants showing their habit, habitat, flowering period, frequency of occurrence and documentation of the plant distribution status with their species density, frequency (%) and abundance values of the flora to assess the distribution of plant life spectra, also to understand the productivity of the water bodies.

To carry out a detailed enumeration of species occurrences of flora at various locations were observed and typical plant species were collected to study of biological environment is one of the important aspects in Environmental Impact Assessment because of the need for conservation of environmental quality.

This may help to assess the nature of the distribution of aquatic vegetation, to assess biodiversity, to understand the resource potential in and around the district. The visual observations of plants recorded to obtain some idea about the relative density of certain species and their predominance.

The second aims of this project to document and identify the aquatic and marshy land angiosperms medicinal plants of these selected areas that are used by tribal, local people. The district Paschim Medinipur is fully riches with different types of aquatic and marshy land medicinal plants. Exploration of medicinally important aquatic plants with their role in home remedies related to this project.

The other aims of this project to identify the natural weeds for the farmer in agriculture and aquaculture practice. The less important aquatic and marshy land plants are designated as weeds. This individual flora should be useful in terms of their correct taxonomical

identification, nomenclature, keynotes, ecological setup, phenology, physiognomy, and few ethnomedicinal and economic importance as well. The aquatic and marshy land environment is an interesting ecosystem for both floral and faunal associations where one is solely dependent on others. In modern agriculture, aquaculture and other human activities emphasize more involvement in the aquatic and marshy land ecosystem.