PLAN OF WORK:

1. Literature survey
2. Procurement of drug and material
3. Drug standardization
4. Preparation of standard curve of drug
5. Formulation of ethosomes
6. Optimization of formulation
7. Evaluation of ethosomes
   - Visualization
   - Vesicle size and zeta potential
   - Transmission electron microscope
   - Entrapment efficiency
   - Assay
   - Vesicle stability
   - Solubility measurement
   - Penetration and permeation studies
8. Release rate studies (in-vivo study)
9. Stability studies
METHODOLOGY

Literature survey

This will be continuous process from starting to finalization of the work. The sources utilized would be Journals including National and International, Patent and internet.

Procurement of drug and material

The material will be procured from a reliable source and cautiously checked as per the need of study.

Preparation of standard curve of drug

Standard curve of drug prepared using phosphate buffer solution.

Formulation of ethosomes

There are two methods which can be used for the formulation and preparation of ethosomes. These methods are very simple and convenient and do not involve any sophisticated instrument or complicated process such as hot method and cold method.

Evaluation of ethosomes

Evaluation of ethosomes based on physical and chemical properties.
**Study of Release rate**

This will be carried out by Franz diffusion cell apparatus. The aim of in vitro experimentation in transdermal drug delivery system is to understand and predict the delivery and penetration of molecule from the deep skin surface into the body via the skin of animal.

**Stability studies**

All the ethosomes will keep in refrigeration. The ethosomes samples further analyze for physical parameter and drug content.