4. WORK PLAN & METHODOLOGY

1. Review of literature:
   Review of literature will be carried out by referring journals, articles, patent, research work related to Anti malarial drugs, oral solid dosage form, oral disintegrating tablets, role of polymers, taste marking agents, novel excipients

2. Selection of Drug for research work:
   Selection of antim-malarial drugs will be carried out from broad range of anti-malarial drugs.

3. Collection of standard drug formulation from the innovator:
   The standard drug as well as formulation will be collected from market for comparison of prepared formulation and innovator’s reference drug product.

4. Pre-Formulation study of selected drug:
   Pre-formulation study of selected drug will be carried out to evaluate physical and chemical characteristics of drug.

5. Development of Formulation:
   a. Selection and optimization of taste masking agent.
   b. Drug – Polymer Complex optimization.
   c. Development formula optimization

6. Evaluation of Formulation:
   a. Selection of appropriate analytical method as per regulatory guidance requirement during in-process parameters.
   b. Friability, wetting time and water absorption ratio, dispersion test, in-vitro disintegration study, in-vivo disintegration time, In-vivo taste and sensory evaluation of roughness
   c. HPLC method for the assay and in-vitro dissolution.

7. Stability study:
   Stability data of formulated product will be collected as per ICH guidance.

8. Complete comparison with formulated dosage form with the innovator.