CHAPTER THREE

1. AIMS & OBJECTIVES

The aim of this study is to detect the resistance to rifampicin, associated with the mutations in the 81-bp rifampicin resistance determining region (RRDR) of rpoB gene in clinically isolated *M. tuberculosis* strains.

3.1 Identification of clinically isolated Mycobacterium tuberculosis by Ziehl-Neelsen staining & *M. tuberculosis*-specific PCR.

3.2 To study DST (drug susceptibility testing) by MGIT 960 System.

3.3 To study the genetic mechanism of drug resistance in *M. tuberculosis* by DNA sequencing.