PREFACE

In past years i.e., three decades back, the Power System which was followed by the countries in the world is known as Vertically Integrated Utility (VIU) and is governed by the government. The main disadvantage of this system is lack of competition as no competitor in the electricity market. Hence, has a remedy, the deregulated power system has been well established in many countries. The main aim of this restructured power system is to create the competition in the electricity market. Apart from this, the deregulated power system has many advantages compared to VIU.

As the competition has developed in the system, it is necessary to have the more research contribution by the researchers for the growth of system and to provide the less cost services to the network customers in the fair and transparent manner. From the available literature, it is observed that, many research papers have been published and work has been covered in the area of electricity market. The analysis on transmission system cost aspects is one of the main wings in the area of deregulated power system. For this, the work has been carried out by the many authors and many methodologies are proposed on transmission system cost analysis.

However, it appears that, apart from the work covered in the literature, still there is a scope to extend the work on transmission network cost analysis. Hence, in this work, an extension work has been proposed to compare particular methods and to avoid drawbacks in existing methods.
As a finishing step, some methods have been suggested as best methods with respect to main key issues of the restructured power systems that are: TCA, TLA, ASM, ATC and SRM. The system operator can provide better services to the network customers with the help of suggested best methods.