EXECUTIVE SUMMARY

Chapter 1 begins with the development of Steel sector in India along with the sector reforms. It further discusses significance of Steel sector in India’s economic growth with Industry structure in India. It discusses context and motivation of Steel sector in India and its significance in India’s economic growth. The later part of the chapter draws attention towards the delay in projects in India majorly construction projects, challenges they face and overview of reasons for projects schedule delay during the execution discussed. At the end it discusses the problem during the infrastructure development and the business problem for the proposed research is summarized.

Chapter 2 is concerned with the literature review which was done under six verticals as Risk Management, Risk Mitigation, Risk Variables of Overseas Projects, Project Risk Management and Risk reporting. Themes listed are summarized. Projects have been studied in order to understand various risks associated with various types of projects worldwide and cost overrun of factors considered are listed. Further, discussed in detail reasons for schedule overruns in majority of infrastructure projects in India with the help of statistics.

Chapter 3 is concerned with the research methodology adopted. It includes the rationale / need of the research, followed by research gap which focuses on the variables responsible for cost overrun during execution of large integrated steel plant in India and problem statement with objectives. Exploratory research was conducted for identification of variables in research methodology. Explained how the sample size was considered and framed the hypothesis with list of identified risks.
Chapter 4 deals with the data analysis to identify various risk variables associated with the project cost performance in establishing steel plant in India by Factor Analysis using IBM SPSS (Statistical Package for the Social Sciences) software. Explained step wise procedure involved while using the software. Then, Identified the factors from Rotated Factor Matrix table. Data analysis for another objective i.e to establish the interrelationship between identified factors and cost overrun responsible for the project cost overrun of steel plant projects in India. Further by using Regression Method the top risk variables responsible for the project cost overrun for construction of steel plant in India are identified and at the end findings from the data analysis are mentioned.

Chapter 5 presented Conclusion and Recommendations. Further, discussed directions for future research.