CHAPTER 3

RESEARCH OBJECTIVES

Chapter Objective:
- Research objectives based on identified gaps in literature review.

3.1 Objectives

The objectives of the current research study are based on identified gaps in literature reviews. Majority of the objectives are formulated around India’s coal/lignite fired power plants with special preference to Gujarat States thermal power plants.

- To measure the operational efficiency of coal/lignite fired thermal power plants located all over the India.
- To study efficiency of Gujarat’s thermal power generation plants (i.e. Technical efficiency)
- To analyze productivity change of coal/lignite fired thermal power plants in India.
- To evaluate the performance and best practices followed in the Gujarat’s thermal power plants.
- To identify the important factors that affects the performance of thermal power generation stations.
- To uncover the myth that Private owned generation unit perform better than Public owned generation unit.
- Are pithead power plants more beneficial as compared to other power plants in Gujarat region?
- Is change in ownership having positive effects on power plants performance?
- Whether power generating plants/units under Gujarat State Electricity Corporation Limited (GSECL) are more efficient than other power plants in Gujarat region.
To assess financial and operational performance of State power utilities.

To analyze the impact of operational efficiency on overall profitability of power plants.

The study will focus on coal/lignite fired power generation plants of India with special preference to Gujarat State. Hence the results of this study may not be generalized to other industries as well as within the industries having different power generation options.