

EXECUTIVE SUMMARY

This research is compiled in 10 Chapters.

Chapter 1 briefs on background of the study. This chapter introduces India's Oil and Gas Sector, India's vision for oil and gas exploration and production, involvement of global players in creating global competitive environment and technological enhancement, troubles in Indian public procurement, issues during tender evaluation, contract award by "lowest price bid" and absence of project performance measure etc.

Second section of this Chapter briefs on motivation and need for the study.

Chapter 2 details on Literature review for need for change in framework of contract award in India, recent practices and approaches in public procurement and contract award for large projects in various sectors and countries results in a need to conduct this research work. This Chapter has 9 Sections: **Section 1** describes theoretical framework of study, current public procurement in India, tender evaluation and award framework in Indian Oil and Gas companies. Subsections describes current contract award framework for large projects or for public procurement worldwide and in various. Various sub-sections under this also elucidate literature review on various parameters important during contract award in oil and gas projects, literature review on various parameters responsible for success of large oil and gas projects, theme of entire literature review done to find research gap, literature review for Index framing and further sub-sections list problem statement, business problem from the problem statement, research problem, research questions and three research objectives.

Chapter 3 covers details on research method adapted for this study. Here it is divided in five sections, i.e. Section 1 on research design and framework, Section 2 on sampling technique and sample size, Section 3 on research method for objective 1, Section 4 research method for Objective 2 and Section 5 research method for Objective 3. These methods highlight statistical, econometric and software tools used.

Chapter 4 discusses sampling sufficiency, reliability of scale statistics, and data collection for parameters taken from literature review for contract award and also for measuring project performance in oil and gas projects. Sub-sections discuss results and findings for Objective 1 which extract Contract award components by Factor analysis and framing Contract Award Index (CAI) and results and findings for Objective 2 which are extracting Project Performance components by Factor Analysis and framing Project Performance Index. (PPI)

Next sub-section discusses findings for Objective 3 which is regressing each component of project performance on CAI and each component of Contract Award on PPI to find if there is any significant relationship. This section also describes model developed for predicted PPI from CAI.

Chapter 5 compiles and lists all conclusions and suggestions

Chapter 6 mentions limitations of study, significance of study, contribution to literature.

Chapter 7 highlights future scope of the study.

All Exhibits are enclosed at the end of the thesis for detail reference of work.