INVESTIGATION OF RISKS IN UNSOLICITED ROAD PROJECTS IN SRI LANKA

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Dissertation submitted in partial fulfilment of the requirements for the degree of Master of Science in Project Management

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Sri Lanka

July 2017
DECLARATION OF THE CANDIDATE & SUPERVISOR

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ABSTRACT

Investigation of Risks in Unsolicited Road Projects in Sri Lanka

Risk management is an important factor in project success. It is the process of identifying, classifying, analysing and assessing of inherent risks in a different stage of the project. Due to the nature of the construction projects which specify in road development works consists of many related operations, may risk sources and events will contribute in project duration.

The aim of this research is to consider the very useful matter, which is the risk of the current construction industry with special reference to unsolicited road project in Sri Lanka. The risk management plan, at first step is to identify and classify with the key risk sources which effects on project objectives in stages of construction project. Where the problems are determined and considered reasonable solution due to various manners of risk handling in the road construction industry. Therefore the concept of unsolicited proposal is applied to new era of the procurement method in construction industry in Sri Lanka.

The involvement of the project risk management in unsolicited road projects are considered the cases of four road projects in the National road list of Road Development Authority and allocation and handling of project risks are categorized with the sixteen risk events are described with objectives namely, identify the key stages in the management process for the unsolicited road projects in Sri Lanka, identify the risk events associated with the pre contract stage of unsolicited road projects in Sri Lanka, investigate the risks allocation and responses of contractual parties in unsolicited road projects.

The sample of the present research was consisted with sixteen participants and selected through the officers in unsolicited road projects with the category of Client and Contractor and data of respondents were collected with documents and semi structured interviews with the response rate task more than 75% by the researcher.

Referring the findings of case studies, the most significant risk events are identified to the process of current unsolicited road project in Sri Lanka namely possession of site, Dealing with utility agencies and Improper Estimates. The conclusion and recommendations of this research stated that the influence of finding of the risk handling work of the unsolicited road projects to forecast the different field of construction industry.

Keywords: Risk Sources, Risk Allocation, Risk Handling, Construction of unsolicited road projects
DEDICATION

To my family members
ACKNOWLEDGEMENT

It is pleasure to acknowledge the many obligations incurred in the preparation of this Dissertation.

First, I wish to thank the Faculty of Architecture of University of Moratuwa and all the lectures that guided and supported me throughout the past four years.

Further, my sincere thanks go to Dr. Yasangika Sandanayake for her guidance in selecting a research topic and providing me the assistance of all staff of the Department of Building Economic of University of Moratuwa.

I appreciate and value my supervisors, Dr. Nirodha Fernando and Dr. Sachie Gunatilake for their tremendous support, guidance, encouragement and patience during every stage of this effort and for their precious time spent in reading my draft dissertation. They provided a focus for my work with valuable guidance in preparing the structural frame work at the initial stage, questionnaires and immense effort in teaching me to analysis the data of this study.

To librarian and staff of University of Moratuwa and Institution of Engineers, Sri Lanka, I am indebted for the privileges of using their library throughout this four years time.

To the Managers and other staff of various Construction Organizations and Resident Engineers and other staff of Road Development Authority, I say thank you for giving me permission to carry out my research in their projects and permitting me to visit the projects.

Special gratitude goes to Project Director, all the Engineers and staff of the Local Banks Funded Project Division of Road Development Authority who willingly took part in my study and welcomed me into their organizations.

Gunaprema Athukorala
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<tr>
<td>BII</td>
<td>Bureau of Infrastructure Investment</td>
</tr>
<tr>
<td>BOI</td>
<td>Board of Investment</td>
</tr>
<tr>
<td>BOO</td>
<td>Build Own and Operate</td>
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<td>BOQ</td>
<td>Bill of Quantities</td>
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<tr>
<td>BOT</td>
<td>Build – Operate and Transfer</td>
</tr>
<tr>
<td>BOT</td>
<td>Build Operate and Transfer</td>
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<tr>
<td>CANC</td>
<td>Cabinet Appointed Negotiating Committee</td>
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<td>CCEM</td>
<td>Cabinet Committee on Economic Management</td>
</tr>
<tr>
<td>GOSL</td>
<td>Government of Sri Lanka</td>
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<tr>
<td>IA</td>
<td>Implementation Agreement</td>
</tr>
<tr>
<td>ICE</td>
<td>Institution of Civil Engineers</td>
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<tr>
<td>ICTAD</td>
<td>Institute of Construction, Training and Development</td>
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<td>PC</td>
<td>Project Committee</td>
</tr>
<tr>
<td>PET</td>
<td>Percent Expected Time – overrun</td>
</tr>
<tr>
<td>PFI</td>
<td>Private – Finance Initiative</td>
</tr>
<tr>
<td>PMBOK</td>
<td>Project Management Body of Knowledge</td>
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<td>PMI</td>
<td>Project Management Institute</td>
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<td>PPC</td>
<td>Percent Plan Completed</td>
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<tr>
<td>PPI</td>
<td>Private Participation in Infrastructure</td>
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<td>PPP</td>
<td>Public – Private Partnership</td>
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<td>RDA</td>
<td>Road Development Authority</td>
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<td>RFP</td>
<td>Request for Proposal</td>
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<td>Request for Qualification</td>
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<td>RMPs</td>
<td>RISK Management Processes</td>
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<td>SBD</td>
<td>Standard Bidding Document</td>
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<td>SCAPO</td>
<td>Standard Cabinet Approval Procurement Committee</td>
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<td>SWOT</td>
<td>Strength, Weak, Opportunity and Threat</td>
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