



SELECTION OF A PROCUREMENT METHOD FOR DISASTER RECONSTRUCTION

Wickramasinghe W.A.N.K.

Department of Building Economics
University of Moratuwa
Sri Lanka

Submitted in as Partial Fulfillment of the Requirements of the Degree of Master
of Science

2010

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DEPARTMENT OF BUILDING ECONOMICS
Faculty of Architecture
UNIVERSITY OF MORATUWA.

M.Sc. Dissertation

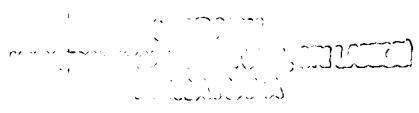
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List of Abbreviation

- PSP - Procurement Selection Parameters
NGO - Non-Government Organization
INGO - International Non-Government Organization
IPS - Integrated Procurement Systems
ICTAD - Institute of Construction Training and Development
PDRP - Post Disaster Reconstruction Project
IFRC - International Red Cross and Red Crescent Societies List of Abbreviation



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Dedication

To my parents

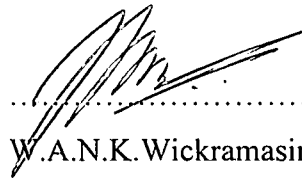


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Declaration

I hereby declare that this submission is my own work and that, it contains no materials previously published or written by another person nor material which, to a substantial extent, has been accepted for the award of any other degree or diploma of a University or other institution on higher learning, except where an acknowledgement is made in the text.



W.A.N.K. Wickramasinghe

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Certification

I hereby acknowledge that Mr. W.A.N.K. Wickramasinghe has followed the dissertation process set by the Department of Building Economics



Prof. Raufdeen Rameezdeen

Dissertation Supervisor

09/02/2010

Date

Selection of a Procurement Method for Disaster Reconstruction

ABSTRACT

Selection of a Procurement Method for Disaster Reconstruction

Selecting a proper procurement method is vital in construction projects as it would result in successful completion of a project. Although conventional methods were used in the past, innovative ways have come up lately but not all parties concerned are knowledgeable of those facts. It is important to study the different procurement methods to be aware of them to be applied when the need arises. Even though literature is available on factors that should be considered in selection of a procurement method for normal project, very scant attention has been given on disaster reconstruction projects. When major catastrophes in the likes of Tsunami occur, it is essential to act fast and comply with the requirements of those affected parties through an appropriate procurement method. There is a high possibility that factors governing the selection of a normal project may not be suitable for disaster reconstruction. The aim of this research is to identify the most appropriate procurement method for disaster reconstruction in Sri Lanka.



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Researchers conducted in the past over the world have identified many factors to be considered in the selection of a procurement method. The identified factors were discussed with a panel of experts comprising officials of the donor agencies, consultants and contractors. Ten factors identified as important were forwarded to parties who were involved in Tsunami reconstruction process and were requested to express their opinion on the level of significance on each factor and the results were statistically summarized. The factors that were identified were Risk management, Time and predictability, Price certainty & completion within the budget, Price competition, Accountability, Flexibility for changes, Quality of work, Familiarity, Project cost and funding method, Price complexity. The questionnaire prepared based on those factors were forwarded to clients (donor), consultants and contractors who were involved in Tsunami reconstruction process and were requested to express their opinion on the level of significance on each factor and the results were

Selection of a Procurement Method for Disaster Reconstruction

statistically summarized. The parties responded to all ten factors with price competition, price certainty, financial risk, accountability and transparency, quality of work and construction time being the priorities in descending order.

Considering the above factors that have been identified it can be assumed that the Design and built method is more appropriate due to the urgency of reconstruction process in disaster situations.

Keywords: procurement, disaster, reconstruction, Sri Lanka



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