

**EFFECTIVENESS OF IMPLEMENTING SUSTAINABLE
PUBLIC PROCUREMENT (SPP) PRACTICES IN THE
SRI LANKAN CONSTRUCTION INDUSTRY**

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Master of Science in Construction Project Management”

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DECLARATION

I declare that this is my work, and this dissertation does not incorporate without acknowledgement any material previously submitted for a degree or diploma in any other University or institute of higher learning, and to the best of my knowledge and belief, it does not contain any material previously published or written by another person except where the acknowledgement is made in the text.

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ABSTRACT

The lack of adequate public procurement practices has imposed several construction industry issues, leading to project delays and inefficient use of public funds. To improve the situation, Sustainable Public Procurement (SPP) practices would be a better start position on revival. However, the literature review emphasizes limited studies conducted on SPP practices related to the construction industry in Sri Lanka. Hence, the primary focus of the research revolved around crafting an implementation strategy for SPP practices within the Sri Lankan construction industry, aiming to address existing gaps and promote greater sustainability and responsible procurement practices within the sector. A detailed literature review was conducted to identify and prioritise challenges and key drivers in implementing SPP practices in local and foreign construction industries. With the help of the snowballing sampling method, we identified and conducted a pre-survey on ten government personnel working in the construction industry to assess their awareness and identify challenges and key drivers faced by SPP practices in the construction industry. Pre-survey and literature review results were used to develop the proposed framework and validated through an online survey. Thirty-four responses were collected from government semi-government officials in the local construction industry. Four responses were discarded for various reasons, and 30 were used for data analysis. Based on the data analysis, ten challenges and six key drivers were used to develop the framework and implementation strategy for SPP practices in the construction industry. The subject matter experts reviewed and validated the framework and implementation strategy and incorporated the feedback. This study's results benefit policymakers and institutional practitioners handling construction procurement works.

Keywords: construction industry, public procurement, sustainable public procurement practices

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TABLE OF CONTENTS

Declaration	i
Abstract	ii
Acknowledgement	iii
Table of Contents	iv
List of Figures	vi
List of Tables	vii
List of Abbreviations	viii
1 Introduction.....	1
1.1 Background	1
1.2 Motivation	2
1.3 Research Scope	3
1.4 Problem Statement	3
1.5 Research Objectives	3
1.6 Research Significance	4
1.7 Outline.....	5
2 Literature Review	6
2.1 Public Procurement (PP) Practices in the construction industry	6
2.2 Sustainable Public Procurement (SPP) practices	8
2.3 Challenges identified in SPP practices implementation.....	9
2.4 Drivers in the Implementation of SPP practices	12
2.5 Benefits of the use of SPP practices.....	13
2.6 Development of SPP Framework and implementation strategies	14
2.6.1 Steps Identification for framework development	14
2.6.2 SPP practices framework development and implementation strategy .	18
2.7 Exploratory and Descriptive Method	22
2.8 Summary	22
3 Methododlogy and Data Collection.....	23
3.1 Research Problem.....	23
3.2 Research Methodology.....	24
3.3 Data Collection.....	25
3.3.1 Population and Sample Selection.....	25

3.3.2	Process of data collection.....	26
4	Data Analysis and Discussion of results.....	27
4.1	Data Preparation for Analysis	27
4.2	Pre-survey Data Analysis	28
4.3	Descriptive Statistics for Demographic Data	29
4.3.1	Role Played within the Organization	30
4.3.2	Industrial experience relevant to Procurement.....	30
4.3.3	Facilities available in respondents' organisation with regards to SPP practices implementation	31
4.3.4	Best stage to apply SPP practices in construction projects.....	32
4.3.5	Benefits expects on Implementation of SPP practices in construction projects	33
4.4	Framework Development.....	33
4.4.1	Proposed Framework	35
4.4.2	Identification of Key Challenges	36
4.4.3	Identification of Key drivers	40
4.4.4	Framework design.....	42
4.4.5	Framework validation	64
4.4.6	Implementation strategy for the sustainable public procurement practices in the construction industry.....	64
5	Rcommendation and Conclusion.....	68
5.1	Research implications	68
5.1.1	Framework to Implement SPP Practices in the construction industry..	68
5.1.2	Strategy for SPP practices implementation in construction industry...	70
5.1.3	Research findings vs. research objectives.....	71
5.2	Recommendations	72
5.3	Future Works.....	73
5.4	Conclusion.....	74
	References	75
	Appendix A	82
	Appendix B	87
	Appendix C	90

LIST OF FIGURES

Figure 2-1: Process followed to develop a conceptual framework for Sustainable Public Procurement Process	14
Figure 2-2 : Sustainable Public Procurement Process in the Sri Lankan construction industry.	15
Figure 2-3 : The ADB procurement cycle	16
Figure 2-4: Proposed methodology for framework development.	16
Figure 2-5: The SPP approach for SPP implementation for developing countries....	19
Figure 2-6: The framework was created by gathering input from experts in Sri Lanka and the Persian Gulf region..	21
Figure 3-1: Research Methodology	25
Figure 4-1: The amount of responses received every day	27
Figure 4-2: Familiarity of SPP practice	29
Figure 4-3: Respondents working place.....	29
Figure 4-4: Role played within the organization	30
Figure 4-5: Construction experience of the respondents.	31
Figure 4-8: Steps derived in framework development.....	34
Figure 4-9 : Proposed Framework	35
Figure 4-10 : Sixteen challenges against sum of weights	38
Figure 4-11 : Median and mode of the challenges impact on SPP practices	39
Figure 4-12 : Seven key drivers against the sum of weights.	42
Figure 4-13 : Finalized framework for SPP implementation.....	44
Figure 4-14 : Proposed implementation strategy for sustainable public procurement practices for construction industry in developing countries.....	67

LIST OF TABLES

Table 2-1: Proposed steps to be followed in SP framework development.	17
Table 2-2: Introduction to the six principles available in MTF framework on SPP approach	18
Table 4-1: Weight table for the Likert scale	28
Table 4-2 : Expected benefits after SPP practice implementation in construction industry ..	33
Table 4-3 : List of challenges impact on SPP practices implementation	36
Table 4-4 : Order of challenges against ‘Sum of weights’	37
Table 4-5 : Prioritized challenges based on the response preference.....	39
Table 4-6 : Challenges prioritization according to the Government and Semi-Government Respondents preference.....	40
Table 4-7 : List of key drivers in SPP practices implementation.....	41
Table 4-8 : Prioritized key drivers based on the ‘Sum of weights’	41
Table 4-9 : Prioritize 10 challenges considered for framework development	43
Table 4-10 : Prioritized six Key drivers identified for the framework design	43
Table 4-11 : Challenges against Key Drivers	63
Table 5-1: Subject Matter Experts’ point of view.....	69
Table 5-2: Research findings vs research objectives	71

LIST OF ABBREVIATIONS

Abbreviations	Description
ADB	Asian Development Bank
AFM	Additional Finance Manager
BPP	Bio-based Public Procurement
CE	Circular Economy
CIDA	Construction Industry Development Authority
DC	Direct Contracting
DGM	Deputy General Manager
GDP	Gross Domestic Product
GPP	Green Public Procurement
ICB	International Competitive Bidding
IOPP	Innovation Oriented Public Procurement
ISC	International Social Criteria
LCC	Life Cycle Cost
LNB	Limited National Competitive Bidding
NCB	National Competitive Bidding
NGO	Non- Government Organisation
NPA	National Procurement Agency
PDCA	Plan-Do-Check-Act
PP	Public Procurement
QS	Quantity Survey
SME	Subject Matter Expert
SP	Sustainable Procurement
SPP	Sustainable Public Procurement
SRI	Social Return of Investment
SWOT	Strength, Weaknesses, Opportunity, Threats
TBL	Tripel Bottom Line