

**EFFECTS OF COVID 19 PANDEMIC FOR PRICE
FLUCTUATION IN CONSTRUCTION MATERIALS**

SRI LANKA



**MASTER OF SCIENCE
IN
CONSTRUCTION PROJECT MANAGEMENT**

MMP Cooray
Department of Civil Engineering
University of Moratuwa
December 2023

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SRI LANKA**

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“This report was submitted to the Department of Civil Engineering of the University of Moratuwa in partial fulfillment of the requirements for the Master of Science in Construction Project Management”

Department of Civil Engineering

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December 2023

DECLARATION

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Dedication

This report is dedicated to my all Teachers, loving Parents, Wife, Children, and Family
and particularly to
all the Construction regulatory bodies, consultants, contractors, construction workers on them
hard work to build their motherland, Sri Lanka.

ACKNOWLEDGEMENT

My heartfelt gratitude to Dr. Chandana Siriwardana, Senior Lecture, Department of Civil Engineering, Faculty of Engineering University of Moratuwa and the Staff, who supported me with important guidance in selecting and working on this research work. Without their continuous support to research.

I would also extend my gratitude for my loving wife and family members to inspiration they gave and being with me during my rough period.

I extend my thankfulness to my Employer, Central Engineering Consultancy Burera especially Eng. IRP Gunathilaka (Additional General Manager SP) for creating decent working environment throughout this course.

Special thanks for the Ms. Chandima Karunarathna Deputy Director Advisory services and Eng. Himal N. Hikkaduwa, Assistant Director (Standard Bidding Document), Construction Industry Development Authority (CIDA), Sri Lanka for given me opportunity to collect relevant data for my research from CIDA.

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ABSTRACT

The study, titled "Effects of the COVID-19 Pandemic on Price Fluctuation in Construction Materials in Sri Lanka," aims to investigate the impact of the global health crisis on the construction sector, which has seen substantial difficulties. The construction materials industry in Sri Lanka, like many other industries, has been significantly affected by the COVID-19 pandemic and its global economic repercussions. The outbreak has resulted in disruptions to the supply chain, shortages of labor, and changes in client demand. These factors have the potential to cause significant variations in costs. The outbreak has posed a substantial challenge of volatile availability and expense of construction supplies. The procurement of essential materials for construction projects is presently uncertain due to disruptions in both domestic and international supply chains. The disruption has the capacity to affect the feasibility of construction projects, escalate expenses, and result in project schedule setbacks. Researchers, legislators, and industry stakeholders are all highly interested in comprehending the magnitude and fundamental causes of the oscillations in building material costs in Sri Lanka. The research problem is highly important since there is a lack of empirical evidence that particularly investigates the influence of the pandemic on the construction materials industry in Sri Lanka. The construction materials sector in Sri Lanka lacks sufficient study on its specific features, in contrast to the abundant literature available on the worldwide economic effects of COVID-19. This research adds to the literature by closing a crucial gap in our knowledge of how covid 19 pandemic effect for price fluctuation in construction materials Sri Lanka. This study improves upon prior research by adding accuracy and context through thorough examination. Through this analysis and further research, a comprehensive model has been developed by examining the relevant literature. The academic community extensively utilized multiple regression models to evaluate hypotheses. Descriptive statistics, regression and correlation analysis, and reliability tests are among the approaches employed in the broader research. The study relied on a self-administered questionnaire and non-probabilistic convenience sampling to get to the bottom of things. SPSS was used to do statistical analysis on all 100 replies. Conclusions from this research show that "Identified Factors on Covid 19 have significant impact on Price Fluctuation".

Keywords: Global Supply Disruptions, Workforce Disruptions, Government Policy, Currency Exchange Rat