# STOCK MARKET EFFICIENCY AND SHARE PRICE BEHAVIOR IN NEPAL

By ROBIN MAHARJAN Shanker Dev Campus T.U. Regd. No. 5-1-033-604-96 Campus Roll No. : 175/059

A Thesis Submitted to:
Office of the Dean
Faculty of Management
Tribhuvan University

In partial fulfillment of the requirement for the Degree of Master of Business Studies (M.B.S)

Kathmandu, Nepal March, 2009

#### RECOMMENDATION

This is to certify that the Thesis

## Submitted by: **ROBIN MAHARJAN**

#### **Entitled:**

# STOCK MARKET EFFICIENCY AND SHARE PRICE BEHAVIOR IN NEPAL

has been prepared as approved by this Department in the prescribed format of the Faculty of Management. This thesis is forwarded for examination.

Shree Bhadra Neupane	Dr. Kamal Deep Dhakal
(Thesis Supervisor)	(Campus Chief)
Rabindra Bhattarai	
(Thesis Supervisor)	

#### **VIVA-VOCE SHEET**

We have conducted the viva –voce of the thesis presented

#### By

#### **ROBIN MAHARJAN**

#### Entitled:

## STOCK MARKET EFFICIENCY AND SHARE PRICE BEHAVIOR IN NEPAL

And found the thesis to be the original work of the student and written according to the prescribed format. We recommend the thesis to be accepted as partial fulfillment of the requirement for

Master Degree of Business Studies (M.B.S.)

#### Viva-Voce Committee

Head, Research Department	
Member (Thesis Supervisor)	
Member (Thesis Supervisor)	
Member (External Expert)	

#### TRIBHUVAN UNIVERSITY

**Faculty of Management** 

**Shanker Dev Campus** 

#### **DECLARATION**

I hereby declare that the work reported in this thesis entitled "STOCK MARKET EFFICIENCY AND SHARE PRICE BEHAVIOR IN NEPAL" submitted to Office of the Dean, Faculty of Management, Tribhuvan University, is my original work done in the form of partial fulfillment of the requirement for the Master's Degree in Business Study (M.B.S.) under the supervision of Shree Bhadra Neupane and Rabindra Bhattarai of Shanker Dev Campus.

.....

Robin Maharjan Researcher

Roll No.: 175/059

T.U. Reg. No.: 5-1-033-604-96

#### ACKNOWLEDGEMENT

It gives me great pleasure and confidence to submit the thesis entitled "Stock Market Efficiency and Share Price Behavior in Nepal". The Thesis could not be initiated without the assistance of some gracious people whom I must thank.

I feel too much happy to have chance to express gratitude and thanks my respected teachers and helpful colleagues. I would like to express my sincere and deep gratitude first and foremost to my respected supervisor Shree Bhadra Neupane and Rabindra Bhattarai, who helped me by giving invaluable suggestions and providing me guidelines for completion of this project.

I also like to thank all the personnel, who helped me a lot during my research work by providing me necessary inputs, great suggestions and keenly participating in my research. I would like to thank all my colleagues for their invaluable suggestions and never ending support.

Robin Maharjan Researcher

## TABLE OF CONTENTS

Acknowledgement

Table of Contents	
List of Tables	
List of Figures	
Abbreviations	
	Page No.
CHAPTER-I INTRODUCTION	
1.1 Background of the Study	1
1.1.1 Capital Market in Nepal	6
1.2 Focus of the Study	11
1.3 Statement of the Problem	12
1.4 Objective of the Study	12
1.5 Significance of the Study	13
1.6 Limitations of the Study	13
1.7 Organization of the Study	14
CHAPTER – II REVIEW OF LITERATURE	
2.1 Conceptual Review	16
2.1.1 Common Stock	16
2.1.2Behavior of Stock Market Prices	21
2.2 Review of HMG/N Policies, Plans, Programs and Regulations	36
2.2.1 Securities Board Nepal (SEBO)	36
2.2.2HMG/N Policies and Programmes	37
2.2.3 Regulation of Nepalese Securities Market	42
2.3 Review of Journals and Articles	44
2.4 Thesis Review	57

CHAPTER -	TTT	RESEARCH METHODOL	OGY
			$\mathbf{v}$

3.1 Introduction	67
3.2 Research Design	67
3.3 Population and Sample	68
3.4 Data Gathering Procedure	69
3.5 Data Processing Procedure	69
3.6 Statistical Procedure	69
CHAPTER – IV DATA PRESENTATION AND ANALYSIS	
4.1 Introduction	73
4.2 Presentation and Analysis of Secondary Data	74
4.2.1 Number of Companies Delisted form the Stock Exchange	75
4.2.2 Statistical Analysis	75
4.2.3 NEPSE Index	75
4.2.4 Monthly Trend Analysis	77
4.2.5 Annual Trend Analysis	79
4.2.6The Numbers of Listed Companies in Stock Exchange	81
4.2.7 Paid up Value and Market Capitalization	83
4.2.8 Market Capitalization of Listed Companies	84
4.2.9 Closing Market Prices of Selected Companies	85
4.2.10 Correlation Coefficient Analysis	89
4.2.11 Run test for Randomness	90
4.3 Presentation and Analysis of Primary Data	97
4.3.1 Interview with Experts	97
4.3.2 Questionnaire Analysis	98
4.4 Major Findings of the Study	108

## CHAPTER – V SUMMARY, CONCLUSION AND RECOMMENDATIONS

5.1 Summary	110
5.2 Conclusion	112
5.3 Recommendations	113

## Bibliography

Annexes

## LIST OF TABLES

Table	e No. Title	Page No.
3.1	Total Population and Sample	68
4.1	Nepse Index	76
4.2	Monthly NEPSE Index of the year 2005/06	77
4.3	Monthly NEPSE Index of the year 2006/07	78
4.4	Annual trend analysis from fiscal year 1996/97 to 2006/07	80
4.5	Number of listed companies in NEPSE	81
4.6	Number of Transacted companies and volume of Stock Traded	82
4.7	Paid up value of Listed Companies (2006/07)	83
4.8	Market Capitalization of Listed Companies (2006/07)	84
4.9	Closing Market Prices of Selected Banks	85
4.10	Closing Market Price of Selected Finance Companies	87
4.11	Closing Market Price of Selected Insurance Companies	88
4.12	Correlation Coefficient of Selected Companies (EPS and DPS)	89
4.13	Correlation Coefficient of Selected Companies (EPS and NWPS	) 90
4.14	Run Test for HBL	91
4.15	Run Test for NIBL	92
4.16	Run Test for NFCL	93
4.17	Run Test for KFCL	94
4.18	Run Test for EICL	95
4.19	Run Test for SICL	96
4.20	Sector-wise Preference for Investment	99
4.21	Investors' Awareness on the Stock Market	99
4.22	Influencing Factors on the Stock Market Price	100
4.23	Basis of Decision Making on Secondary Market	101

4.24	Data Regarding Investors' Satisfaction	101
4.25	Views of Difficulties Faced by Investors	102
4.26	Government Policy Analysis on the Stock Market	103
4.27	Participation on Company's Management	103
4.28	Opinion of Environmental effects	104
4.29	Suitable Trend of Stock Price Movement	105
4.30	Causes of Holding the Shares of Company	105

## LIST OF FIGURES

Figure No.	Title	Page No.
4.1	NEPSE Index	77
4.2	Monthly NEPSE Index (closing) of the year 2005/06	78
4.3	Monthly NEPSE Index (closing) of the year 2006/07	79
4.4	Annual trend analysis from fiscal year 1996/97 to 2006/07	80
4.5	Number of Listed Companies	82
4.6	No. of Transacted Companies and Volume of Stock Traded	83
4.7	Paid-up Value of Listed Companies	84
4.8	Market Capitalization of Listed Companies	85
4.9	Market Price of Selected Banks	86
4.10	Market Price of Selected Finance Companies	87
4.11	Market Price of Selected Insurance Companies	88

#### **ABBREVIATIONS**

BOD Board of Directors

CAPM Capital Asset Pricing Model

CATS Computer Assisted Trading System

CMT Capital Market Theory

Corr. Correlation

DPS Dividend Per Share

EICL Everest Insurance Company Limited

EPS Earning Per Share

F/Y Fiscal Year

GDP Gross Domestic Product

HBL Himalayan Bank Ltd

IPO Initial public offering

KFCL Kathmandu Finance Company Limited

MBS Masters of Business Studies

MPS Market Price Per Share

NEPSE Nepal Stock Exchange Limited

NFCL National Finance Company Limited

NIBL Nepal Investment Bank Ltd

NIDC Nepal Industrial Development Corporation

No. Number

NRB Nepal Rastra Bank

NWPS Net Worth Per Share

OTC Over the Counter

ROE Return on Equity

SD Standard Deviation

SEA Securities Exchange Act

SEBO Security Board

SEC Security Exchange Center

SICL Sagarmatha Insurance Company Limited

T-Bills Treasury Bills