

CAPITAL STRUCTURE AND PROFITABILITY: AN EVIDENCE
FROM LISTED FIRMS OF
NEPAL

A thesis submitted to

Office of the Dean
Faculty of Management
Tribhuvan University

By

Sarita Laxmi Amatya

T.U. Regd. No.:7-1-256-176-97

Exam Roll No: 1064/2062

Campus Roll No: 45/2060

In partial fulfilment of the requirements for the degree of
Master of Business Studies (M.B.S)
Patan Multiple Campus
Patan Dhoka

December 2009

Subject: RECOMMENDATION

This is to certified that the thesis
Submitted by
Ms. Sarita Laxmi Amatya
Entitled

**“CAPITAL STRUCTURE AND PROFITABILITY: AN EVIDENCE
FROM LISTED FIRMS OF
NEPAL”**

has been prepared as approved by this campus in the prescribed format of the Faculty of Management, Tribhuvan University. This thesis is recommended for acceptance and forwarded for examination.

Mr. Yuga Raj Bhattari
Lecturer

Mr. Shiva Prasad Pokharel
Co ordinator

Ms. Krishna Badan Nakarmi
Campus Chief

Subject: **VIVA -VOCE Evaluation Sheet.**

We have conducted the viva - voce examination of the thesis

Submitted by
Ms. Sarita Laxmi Amatya

Entitled

“CAPITAL STRUCTURE AND PROFITABILITY: AN EVIDENCE FROM
LISTED FIRMS OF
NEPAL”

and found the thesis to be original work of the student and written according to the prescribed format of the Faculty of Management, Tribhuvan University. We recommended this thesis as partial fulfillment of the requirements for the degree of Master of Business Studies (M.B.S).

Viva - Voce Committee

Head of Research Department: _____

Thesis Supervisor: _____

External Examiner: _____

Date: _____

DECLARATION

I hereby declare that this thesis entitled “CAPITAL STRUCTURE AND PROFITABILITY: AN EVIDENCE FROM LISTED FIRMS OF NEPAL” submitted to Patan Multiple Campus, Faculty of Management, Tribhuvan University is my original work done in the form of partial fulfilment of the requirements for the Master Degree of Business Studies under the guidance and supervision of Mr. Yuga Raj Bhattari, Lecturer of Patan Multiple Campus, Tribhuvan university.

Sarita Laxmi Amatya

Researcher

Patan Multiple Campus

T.U. Regd. No.7-1-256-176-97

Roll No: 45/2060

Date:

ACKNOWLEDGEMENTS

This study was conducted under the direction and supervision of Lecturer Yuga Raj Bhattarai, my thesis advisor, to whom I express my deeply felt gratitude for his wise and generous counsel. His kind guidance, patience and mind-opening lectures that have shown me the wonderful world of academia and revealed me the real meaning of research. I am also grateful to all my lecturers.

I extend my special thanks and appreciation to my family member for their assistance in this research and also their encouragement were the greatest stimulation toward the completion of this work.

I am also indebted to the Patan Multiple Campus that provides me the opportunity to conduct this thesis, especially Management Department for their support and help. Not forgetting are my course mates and close-friends that had brought joy and new light upon my life.

Last but not least, I wish to acknowledge my appreciation to all those who have helped, in any way, in the preparation of this thesis.

Sarita Laxmi Amatya

Researcher

Patan Multiple Campus

T.U. Regd. No.7-1-256-176-97

Roll No: 45/2060

CONTENTS

Recommendation Letter	
Viva-Voce Sheet	
Declaration	
Acknowledgement	
Contents	
List of Figures	
List of Tables	
Abbreviation	

CHAPTER 1	INTRODUCTION	1 - 10
1.1	General Background	1
1.2	Review of Sample Companies	5
1.3	Statement of the Problem	7
1.4	Objectives of the Study	9
1.5	Significance of the Study	9
1.6	Organization of the Study	10
CHAPTER 2	REVIEW OF LITERATURE	11 - 35
2.1	Conceptual Framework	11
2.2	Theories of Capital Structure	15
2.2.1	Modigliani and Miller (MM)	15
2.2.2	Traditional Theory	17
2.2.3	Life-Cycle Model	20
2.2.4	Net Income Theory(NI)	20
2.2.5	Net Operating Income Approach (NOI)	21
2.2.6	Static Trade off Theory	22
2.2.7	Pecking - Order Theory	23
2.2.8	Signaling Theory	24
2.2.9	Agency Cost Theory	25
2.3	Review of Related Empirical Works	27
2.4	Review of Related Nepalese Studies	31
2.5	Concluding Remark	33

CHAPTER 3	RESEARCH METHODOLOGY	36 - 45
3.1	Research Design	36
3.2	Universe and Sampling	36
3.3	Methods and Sources of Data	37
3.4	Tools for Analysis	37
3.4.1	Financial Tools	38
3.4.2	Statistical Tools	43
3.4.3	Multiple Linear Regression Model	44
3.5	Limitation of the Study	45
CHAPTER 4	DATA PRESENTATION AND ANALYSIS	46 - 66
4.1	General Background	46
4.2	Results of Financial Analysis	46
4.3	Analysis of the Empirical Results	61
4.3.1	Analysis of the Results of Descriptive Statistics	61
4.3.2	Analysis of the Correlation Results	62
4.3.3	Analysis of the Regression Results	63
4.4	Major Findings	65
CHAPTER 5	SUMMARY, CONCLUSION AND RECOMMENDATIONS	67 - 70
5.1	Summary	67
5.2	Conclusion	69
5.3	Recommendation	70

Bibliography

Annex

List of Figures

Figure Number	Contents	Page Number
1	Capital Structure and Profitability	15
2	Traditional Approach: Cost of Capital	19
3	Cost of Capital under NI Approach	21
4	Cost of Capital under NOI Approach	21
5	The Static-Tradeoff Theory of Capital Structure	22
6	Debt Ratio of BNL	50
7	Debt Ratio of NBBUL	50
8	Debt Ratio of NLO	51
9	Debt Ratio of GRU	51
10	Debt Ratio of SHL	52
11	Debt Ratio of BBC	52
12	Return on Equity of BNL	57
13	Return on Equity of NBBUL	58
14	Return on Equity of NLO	58
15	Return on Equity of GRU	59

List of Tables

Table Number	Contents	Page Number
1	Current Ratio	46
2	Quick Ratio	47
3	Working Capital Ratio	48
4	Debt Ratio	49
5	Debt Equity Ratio	53
6	Interest Coverage Ratio	54
7	Capital Employed Ratio	55
8	Net Profit Margin	56
9	Return on Equity	56
10	Basic Earning Power Ratio	59
11	Return on Asset	60
12	Descriptive Statistics of Variables	61
13	Correlations	63
14	Regression Results	64

ABBREVIATION

AGM	-	Annual General Meeting
BBC	-	Bishal Bazar Company Limited
BNL	-	Bottlers Nepal (Terai) Limited
EBIT	-	Earning Before Income and Tax
Etc	-	Etcetera
FEM	-	Fixed Effect Model
FY	-	Fiscal Year
GRU	-	Gorakhakali Rubber Udhog Limited
i.e.	-	That is
LTD	-	Long Term Debt
MM	-	Modigliani and Miller
NBBUL	-	Nepal Bitumen and Barrel Udyog Limited
NEPSE	-	Nepal Stock Exchange
NI	-	Net Income Approach
NLL	-	Nepal Lever Ltd
NLO	-	Nepal Lube Oil Limited
NOI	-	Net Operating Income Approach
OLS	-	Ordinary Least Squares Method
REM	-	Random Effect Model
ROE	-	Return on Equity
SD	-	Standard Deviation
SHL	-	Soltee Hotel Limited
SPSS	-	Statistical Package for Social Sciences
STD	-	Short Term Debt
TA	-	Total Asset
TD	-	Total Debt
UAE	-	United Arab Emirates
YY	-	Yak & Yeti Hotel Limited