AN INVESTIGATION IN TO CAPITAL STRUCTURE ISSUE: NEPALESE EVIDENCE

Submitted By: SHANTOS NEPAL Shankerdev Campus Campus Roll No: - 822/066 T.U. Regd. No: - 7-2-214-582-2006 Exam Roll No:-391461

> Submitted To: Office of the Dean Faculty of Management Tribhuvan University

In Partial Fulfillment of the Requirements for the Master's Degree of Business Studies (M.B.S.)

Kathmandu, Feb. 2014

RECOMMENDATION

This is to certify that the thesis:

Submitted by:

SHANTOS NEPAL

Entitled:

AN INVESTIGATION IN TO CAPITAL STRUCTURE ISSUE: NEPALESE EVIDENCE

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

Asso. Prof. Prakash Singh Pradhan

(Thesis Supervisor)

Prof. Dr. Kamal Deep Dhakal (Head of Research Department)

.....

Asso. Prof. Prakash Singh Pradhan (Campus Chief)

Pitri Raj Adhikari (Thesis Supervisor)

VIVA–VOCE SHEET

We have conducted the viva-voice examination of the thesis

Submitted by:

SHANTOS NEPAL

Entitled:

AN INVESTIGATION IN TO CAPITAL STRUCTURE ISSUE: NEPALESE EVIDENCE

We have conducted the viva-voce examination of the thesis and found the thesis to be the original work of the student written according to the prescribed format. We recommend the thesis to be accepted as partial fulfillment of the requirements for Master's Degree in Business Studies (M.B.S.)

Viva-Voce Committee

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

DECLARATION

I hereby declare that the work reported in this thesis entitled "An investigation in to capital structure issue: Nepalese evidence" submitted to Shanker Dev Campus, Faculty of Management, Tribhuvan University, is my original work done in the form of partial fulfillment of the requirement for the Master of Business Studies (M.B.S) under the supervision of Asso. Prof. Prakash Singh Pradhan, Campus Chief and Mr. Pitri Raj Adhikari, of Shanker Dev Campus.

SHANTOS NEPAL

Researchers Shanker Dev Campus Campus Roll No. 822/066 T.U. Regd. No. 7-2-214-582-2006

ACKNOWLEDGEMENT

I would like to express my sincere thanks and gratitude to my thesis supervisors Asso. Prof. Prakash Singh Pradhan, Campus Chief and Mr. Pitri Raj Adhikari, of Shanker Dev Campus of Tribhuvan University for their tremendous help valuable guidance, support and encouraging advice. It is the happiest movement of my life to work under their guidance.

This thesis work would never have been completed had I been unable to acquire invaluable, recommendations from their guidance and incredible help and suggestions from my seniors and my close friends.

I would like to express my gratitude to Asso. Prof. Prakash Singh Pradhan, campus chief and Mr. Pitri Raj Adhikari, and all my respected teachers and staff of Shanker Dev Campus, Tribhuvan University for their encouragement and inspiration.

I express my heartfelt gratitude to my parents who always inspired me to complete this journey of higher education from the benchmark of my academic qualification that i had without their encouragement and inspiration my higher education could not have been fulfilled.

I must not forget to thank my friends and colleagues Mr. Surendra Dahal, Mr. Rajandaru Luitel and Mr. Nagendra Chamlagain. Without their cordial co-operation this work would have been very difficult for me. Similarly I will thank the entire co-worker, seniors and Sub-Ordinates of Salt Trading corporation ltd, Bishal Bazar co. ltd, Nepal Bitumin And Barrel Udhyog, Bottlers Nepal Limited, Nepal Lube oil ltd and Nepal Doorsanchar co. ltd, who always encouraged me to complete this work.

I am also greatly obliged to all those who have supported me directly or indirectly during my study.

Thank you.

Shantos Nepal

TABLE OF CONTENTS

Recommendation

Viva-Voce Sheet

Declaration

Acknowledgement

Table of Contents

List of Tables

List of Figures

Abbreviations

Page No.

CHAPTER ONE		
INT	RODUCTION	1-10
1.1	General Background	1
1.2	Statement of the Problem	5
1.3	Objective of the Study	9
1.4	Organization of the Study	9
CHA	APTER- TWO	
REVIEW OF LITERATURE 11-32		11-32
2.1 Conceptual framework		11
2.1.1 The irrelevance proposition		12
2.1.2 Toward and optimal financing policy		14
2.1.3 The trade of theory		14
2.1.4 Capital structure with financial distress and agency costs.		16
2.1.5 Trade-Off theory of Capital structure		17
2.1.6 The pecking order Theory of financing Choices		18
2.1.7	2.1.7 Determinants of capital structure	
2.2 Review of major related studies		19

2.2.1. Review of Related Studies	19
2.2.2. Review of Nepalese studies	28
2.2.3. Research Gap	31

CHAPTER THREE

RESEARCH METHODOLOGY	
3.1. Research Design	33
3.2. Nature and Sources of Data	34
3.3. Selection of firms	35
3.4. Variables and Measures	36
3.5. Data Presentation and Method of analysis:	38
3.6. Development of hypothesis	39
3.7. Financial Analysis Tools:	40
3.8. Statistical Analysis Tools:	41
3.9. Definition of key terms	44
3.10. Limitation of the study	45

CHAPTER FOUR

PRESENTATION AND ANALYSIS OF DATA	46-87
4.1 Presentation and analysis of secondary data	
4.1.1 Introduction	47
4.1.2 Analysis of Secondary Data	48
4.1.3. Descriptive Statistics Analysis	48
4.1.4. Correlation coefficient	59
4.1.5. Determinants of capital structure in all selected companies.	61
4.1.6 Determinants of capital structure in manufacturing companies.	
4.1.7 Determinants of capital structure in Non-Manufacturing	
Companies	65

4.2 Presentation and analysis of Primary data	67
4.2.1 General Background	67
4.2.2 Respondents' Profile	68
4.2.2.1 Nature of Sample	68
4.2.2.2 Position and Age	69
4.2.2.3 Number of Employees	70
4.2.3. Analysis of Survey Results	71
4.2.4. Major findings based on secondary data	81
4.2.5. Major findings based on primary data	83

CHAPTER- FIVE

SUMMARY, CONCLUSION AND RECOMMENDATIONS		86-91
5.1	Summary	86
5.2	Conclusions	89
5.3	Recommendations	89

BIBLIOGRAPHY

APPENDIX

LIST OF TABLE

Table No.	Title	Page No.
2.1	Empirical studies on capital structure	20
2.2	Study on capital structure in Nepal	22
3.1	Firms Selected for the Study	36
3.2	Variables and Their proxies	37
3.3	Testable hypotheses of capital structure	
	Determinants	39
4.1	Total debt to total assets ratios for the selected	
	Companies	49
4.2	Long term debt to total assets ratios for the selected	
	Companies	50
4.3	Short term debt to total assets ratios for the selected	
	Companies	51
4.4	Natural logarithm of Sales for the selected companies	52
4.5	Book value of FA to total assets ratios for the selected	
	Companies	53
4.6	Current assets to current liabilities ratios for the selected	
	Companies	55
4.7	Percentage in total assets ratios for the selected	
	Companies	56
4.8	Net profit margin for the selected	
	Companies	57
4.9	Selling and administrative expenses to net sales ratios	
	for the selected companies	58
4.10	Correlation coefficient of all sample companies	60
4.11	Regression results-All sample Companies	62
4.12	Regression results-Manufacturing sample Companies	64

4.13	Regression results-Non-Manufacturing sample Companies		
4.14	Line of business	68	
4.15	Position/ Age of Respondents	69	
4.16	Number of Employees in Sample Companies	70	
4.17	Systematic Measurement of financial leverage	71	
4.18	Measure of financial leverage	73	
4.19	Optimal Debt Capital Ratio	74	
4.20	Practice of optimal capital structure	75	
4.21	Use of debt capital in Nepalese firms	76	
4.22	Observation on corporate capital structure policy as viewed		
	by all respondents	77	
4.23	capital structure affects the market price of share	78	
4.24	Purpose of using debt capital	79	
4.25	Determinants of capital structure	80	

LIST OF FIGURE

Figure	e No. Title	Page No.
2.1	Schematic diagram of the theoretical framework	19
4.1	No of respondent in different line of business.	69
4.2	No of respondent position	70
4.3	No of employees of sample company	71
4.4	Practice of optimal capital structure	75
4.5	Use of debt capital in Nepalese firm	76

ABBREVIATION

BBCL	:	Bishal Bazar Company Limited
BNL	:	Bottlers Nepal Limited
CA	:	Current assets
CL	:	Current liabilities
CR	:	Current Ratio
C.V.	:	Coefficient of Variation
DPS	:	Dividend per share
GROW	:	Growth Opportunity
Lev ₁	:	Leverage 1 (Ratio of total debt to total assets)
Lev ₂	:	Leverage 2 (Ratio of long term debt to total equity)
Lev ₃	:	Leverage 3 (Ratio of Long term debt to long term debt
		plus equity)
LQD	:	Liquidity position
NAV	:	Net Assets Value
NBBUL	:	Nepal Bitumin and Barrel Udhyog Limited
NDCL	:	Nepal Doorsanchar Company Limited
NDTS	:	Non debt tax shield
NEPSE	:	Nepal Stock Exchange
NLOL	:	Nepal Lube Oil Limited
P/E Ratio	:	Price Earnings Ratio
POT	:	Pecking order theory
ROE	:	Return on Equity
S.D.	:	Standard Deviation
SEBON	:	Security Exchange Board of Nepal
STCL	:	Salt Trading Corporation Limited
TA	:	Total assets
TD	:	Total deposit
TOT	:	Trade-off- theory
TU	:	Tribhuvan University