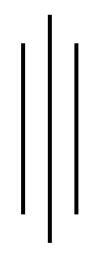
CAPITAL STRUCTURE MANAGEMENT OF JOINT VENTURE BANKS IN NEPAL

(with reference to Nabil Bank Limited, Himalayan Bank Limited, & Nepal Investment Bank Limited)

by

Atit Lal Joshi Roll No. 32/2060 Symbol No. 991-2062 T.U. Registration No.: 7-1-271-84-98 Patan Multiple Campus



Submitted to

Office of Dean Faculty of Management Tribhuvan University

In partial fulfilment of the requirement for the Degree of Master in Business Studies (MBS) October 2009

RECOMMENDATION

This is to certify that the thesis submitted by Mr. Atit Lal Joshi entitled

CAPITAL STRUCTURE MANAGEMENT OF JOINT VENTURE BANKS IN NEPAL

(with reference to Nabil Bank Limited, Himalayan Bank Limited, & Nepal Investment Bank Limited)

has been prepared as a part of partial fulfillment of course requirement for M.B.S. and is approved by this department in the prescribed format of the Faculty of Management. This				
	thesis is forwarded for examinat	tion.		
Mr. Yuga Raj Bhattarai Thesis Supervisor	Mr. Shiva Prasad Pokharel Research Head, Coordinator MBS Program	Mr. Krishna Badan Nakarmi Campus Chief		
Date:				

VIVA VOCE SHEET

We have conducted the VIVA-VOCE examination of Thesis presented by

Mr. Atit Lal Joshi entitled

CAPITAL STRUCTURE MANAGEMENT OF JOINT VENTURE BANKS IN NEPAL

(with reference to Nabil Bank Limited, Himalayan Bank Limited, & Nepal Investment Bank Limited)

and found 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 requirement for Degree of Master in Business Studies (M.B.S.)

<u>Viva-Voce Committee</u>	
Head, Research Department:	
Member (Thesis Supervisor):	
Member (External Expert):	
Date :	

DECLARATION

I hereby declare that the work reported in the thesis entitled, "Capital Structure

Management of Joint Venture Banks in Nepal" submitted to Patan Multiple Campus,

Lalitpur, Faculty of Management, and Tribhuvan University is my original work carried

out for the partial fulfillment of the requirements of Master of Business Studies (MBS)

under the supervision of Mr. Yuga Raj Bhattarai, Reader, Faculty of Management, Patan

Multiple Campus.

Atit Lal Joshi Roll No.: 32/2060

Symbol No.: 991/2062

T.U. Regd. No.: 7-1-271-84-98

iv

ACKNOWLEDGMENT

I am immensely obliged to my respected research supervisor Mr. Yuga Raj Bhattarai for

his valuable and praiseworthy guidance, cooperation, suggestions, and timely supervision

in completing this thesis work. His support, encouragement and proper guidance has

helped me complete this thesis very well.

I am also grateful towards Mr. Suman Pradhan - Administration Officer and Mr. Shiva

Prasad Pokharel - Research Head, Coordinator, MBS Program of Patan Multiple Campus

and all those who supported and encouraged me.

Besides this, I would like to take this opportunity to specially thank my dearest friend

Ms. Shristi Shrestha "Munu" and to my sister Ms. Manjushree Shrestha for their kind

cooperation and support during research period and to all the administrative staff of Nabil

Bank Limited, Himalayan Bank Limited, and Nepal Investment Bank Limited for their

kind co-operation in providing valuable data, information and all those important ideas

that escorted the research to this level.

Atit Lal Joshi

477 Neuta Tole, Lalitpur 11

v

TABLE OF CONTENTS

Recommendation	i
Viva Voce Sheet	ii
Declaration	iii
Acknowledgment	iv
Table of Contents	v
List of Tables	vii
List of Figures	viii
List of Abbreviations	ix
Chapter 1 Introduction	
1.1 Background of the Study	1
1.2 Capital Structure	4
1.3 Brief Introduction to Sample Banks	4
1.4 Statement of the problem	7
1.5 Objectives of the Study	9
1.6 Significance of the Study	10
1.7 Chapter plan and Organization of the Study	11
Chapter 2 Literature Review	
2.1 Conceptual Foundation	12
2.2 Theories of Capital Structure	14
2.2.1 Net Income Approach	16
2.2.2 Net Operating Income Approach	18
2.2.3 Traditional Approach	21
2.2.4 Modigliani & Miller Approach	23
2.2.5 Static Trade-off Theory	27
2.2.6 Pecking Order Theory	28
2.2.7 Agency Theory	30
2.3 Empirical Evidence in Capital Structure	32
2.3.1 Studies in General	32
2.3.2 Nepalese Studies on Bank Capital Structure	36
2.4 Concluding Remarks	40

Chapter 3 Research Methodology

3.1 Research Design	43
3.2 Population and Sample	43
3.3 Sources and Nature of Data	44
3.4 Period covered	44
3.5 Tools used for study and analysis	44
3.5.1 Ratio Analysis	45
3.5.2 Basel Financial Performance Indicators	53
3.5.3 Statistical Tools	66
3.6 Limitations of the Study	69
Chapter 4 Data Presentation & Analysis	
4.1 General Background	70
4.2 Analysis of Financial Position & Capital Structure	70
4.3 Analysis of Descriptive Statistics	117
4.4 Analysis of Correlation Coefficient	119
4.5 Analysis of Regression Results	121
4.6 Major Findings	123
4.7 Concluding Remarks	127
Chapter 5 Summary, Conclusions, & Recommendations	
5.1 Summary	128
5.2 Conclusions	129
5.3 Recommendations	130
Bibliography	
Appendix	

LIST OF TABLES

Table 1 Comparative Debt-Equity Ratio	71
Table 2 Comparative Long Term Debt to Capital Employed Ratio	73
Table 3 Comparative Debt to Total Assets Ratio	75
Table 4 Comparative Long Term Debt to Total Debt	77
Table 5 Interest Coverage Ratio	79
Table 6 Return on Shareholders Equity	81
Table 7 Return on Total Assets	83
Table 8 Comparative Earnings per share	85
Table 9 Comparative Dividend per share	87
Table 10 Comparative Capital Adequacy	89
Table 11 Comparative Non-Performing Loans to Total Loans	91
Table 12 Comparative Provisions in Percent of Non- Performing Loans	93
Table 13 Comparative Provisions to Total Loans	95
Table 14 Comparative Net Interest Income to Gross Income	97
Table 15 Comparative Interest Income on Loans to Total Loans	99
Table 16 Comparative Interest Expense to Interest Bearing Deposits	101
Table 17 Comparative Cash Ratio	103
Table 18 Comparative Liquid Assets to Total Assets	105
Table 19 Comparative Quick Ratio	107
Table 20 Comparative Liquid Assets to Total Deposits	109
Table 21 Comparative Loans to Assets	111
Table 22 Comparative Cash Reserve Ratio	113
Table 23 Comparative Growth Rate in Interest Income	115
Table 24 Descriptive Statistics of Variables	117
Table 25 Correlation Coefficient of Variables	119
Table 26 Regression Results	121

LIST OF FIGURES

Figure 1 The effect of Leverage on cost of capital	17
Figure 2 The effect of Leverage on Total market value of firm	17
Figure 3 The effect of Leverage on Cost of Capital	20
Figure 4 The effect of Leverage on value of firm	20
Figure 5 The effect of Leverage on Cost of Capital under Traditional Theory	23
Figure 6 The cost of capital under the M-M Hypothesis	25
Figure 7 Behavior of K, Kd, & Ks under M-M Hypothesis	27
Figure 8 Comparative Debt-Equity Ratio	71
Figure 9 Comparative Long Term Debt to Capital Employed Ratio	73
Figure 10 Comparative Debt to Total Assets Ratio	75
Figure 11 Comparative Long Term Debt to Total Debt	77
Figure 12 Comparative Interest Coverage Ratio	79
Figure 13 Comparative Return on Shareholders Equity	81
Figure 14 Comparative Return on Total Assets	83
Figure 15 Comparative Earnings per share	85
Figure 16 Comparative Dividend per share	87
Figure 17 Comparative Capital Adequacy	89
Figure 18 Comparative Non-Performing Loans to Total Loans	91
Figure 19 Comparative Analysis of Provisions of Non- Performing Loans	93
Figure 20 Comparative Analysis of Provisions to Total Loans	95
Figure 21 Comparative Analysis of Net Interest Income to Gross Income	97
Figure 22 Comparative Analysis of Interest Income on Loans to Total Loans	99
Figure 23 Comparative Analysis of Interest Expense to Interest Bearing Deposit	t 101
Figure 24 Comparative Analysis of Cash Ratio	103
Figure 25 Comparative Analysis of Liquid Assets to Total Assets	105
Figure 26 Comparative Analysis of Quick Ratio.	107
Figure 27 Comparative Analysis of Liquid Assets to Total Deposits	109
Figure 28 Comparative Analysis of Loans to Assets	111
Figure 29 Comparative Analysis of Cash Reserve Ratio	113
Figure 30 Comparative Analysis of Growth in Interest Income	115

LIST OF ABBREVATIONS

NBL Nabil Bank Limited

NIBL Nepal Investment Bank Limited

HBL Himalayan Bank Limited

JVBs Joint Venture Banks

NRB Nepal Rastra Bank

IMF International Monetary Fund

ADB/N Agricultural Development Bank Limited

NI Net Income

NOI Net Operating Income

EBIT Earning Before Income and Tax

FY Fiscal Year

DE Debt Equity

LTD Long Term Debt

TD Total Debt

DFL Degree of Financial Leverage

EPS Earning Per Share

NPAT Net Profit After Tax

ROE Return on Shareholders Equity

DPS Dividend Per Share

RWA Risk Weighted Assets

NPA Non Performing Assets

NPL Non Performing Loan

TL Total Loan

RAROC Risk Adjusted Return on Capital

NII Net Interest Income

GI Gross Income

II Interest Income

IE Interest Expense

BV Book Value

EBT Earning Before Tax

ROA Return on Assets

CAR Capital Adequacy Ratio

CRR Cash Reserve Ratio