RISK AND RETURN ANALYSIS ON COMMON STOCK INVESTMENT OF COMMERCIAL BANKS

(NEPAL INVESTMENT BANK LIMITED & EVEREST BANK LIMITED)

by:

BANDANA ADHIKARI

Balkumari College TU Registration No: 13717-94 Roll No. 608 (2062-064)

A Project Report

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

In the partial fulfillment of the requirements for the degree of Master's in Business Studies (MBS) Narayangarh, Chitwan May, 2010

RECOMMENDATION

This is to certify that the Project Report

Submitted by

Bandana Adhikari

Entitled

Risk and Return Analysis on Common Stock Investment of Commercial Banks (NIBL& EBL)

has been prepared as approved by this department in the prescribed format of faculty of management. This project report is forwarded for evaluation.

.....

Mr. Babu Ram Panthi

Advisor and Chairperson, Research Committee

•••••

Mr. Bharat Khanal Programme Incharge Mr. Chiranjibi Shrestha Principal

Date:

DECLARATION

I hereby declare that the work done in project report entitled "**Risk and Return Analysis on Common Stock Investment of Commercial Banks (NIBL& EBL)**" submitted to Balkumari College, Faculty of Management, Tribhuvan University is my original work. It is done in the form of partial fulfillments of the requirement of the degree of Master of Business studies (M.B.S.) under the supervision and guidance of Mr. Babu Ram Panthi, Lacturer of Balkumari College.

May, 2010

Bandana Adhikari T.U. Reg. No: 13717-94 Balkumari College

ACKNOWLEDGEMENT

My heartfelt gratitude goes to my respected supervisor lecturer, Mr. Babu Ram Panthi for his valuable guidance and inspiration for the completion of the study.

I would like to express my sincere thanks to Mr. Bharat Khanal, the head of MBS Department for providing me with necessary advice and encouragement to accomplish the task. It is my pleasure to acknowledge with my sincere thanks to all of the lecturers of Balkumari College for their academic support.

I am also indebted to all reputed authors whose writing has provided me the necessary guidance and invaluable materials for the enrichment of my Term Paper in all possible ways. My thanks also go to the staffs of both banks (NIBL and EBL) who generously provided required information to me.

At last, I express my deep sense of gratitude to my parents Basanta Adhikari & Sushila Adhikari, husband Uttam Pokharel, brother in law Shyamraj Pokharel, other family members and friends whose cooperation, support and encouragement helped me to finish the work.

Last but not least, I am also appreciating to Mr. C. M. Adhikari of Classic Computer for their expert work in designing this into print.

Bandana Adhikari

Narayangarh, Chitwan

EXECUTIVE SUMMARY

Risk is defined as an uncertainty surrounding the eventual outcome of an event which will occur in the future. Risk refers to the probability that the return and therefore the value of an assets or security may have alternative return. Risk reflects the chance that the actual return on an investment may be different from the expected return. Return is the motivating in the investment process i.e., it is the reward for making the investment. It involves both capital gain and losses by the change in security market price. Common stock investment is a risk investment. There is the uncertainty of future return whose main source is the price fluctuation of the stock. The Stock price may be decreased due to the economic factor such as inflation, interest rate strength of currency, economic growth of the nation. The main topic of this study (Project Work) is **Risk and Return Analysis on Common Stock Investment of Commercial Banks (NIBL&EBL).**

Most of the investor are risk averse, the main problem in investment is to select the security having low risk but having higher return even if the investor cannot increase the return substantially they can surely reduce the risk by diversification of the investment funds in different types of security making a portfolios. Making a portfolio of common stocks an investor can eliminate the unsystematic risk considerably. However, the systematic risk cannot be avoided event investing in a portfolio. Any investor will want their investment to yield favorably return and so invest in those securities, which provide greater expected returns. Investment is defined as the sacrifice of current amount for future amount. Therefore, investors sacrifice their current amount in securities in anticipations of higher benefits with low level of risk. In the investment of common stock on investor agrees to pay the price for stock in the anticipation of future dividend and growth in stocks. The

main objective of this study is, to evaluate/analysis of risk and return on common stock investment of commercial banks & to identify whether the share of commercial banks are overpriced, under priced or at equilibrium. The limitation of this study covers the relevant data and information on only for five years i.e. fiscal year 2002/2003 to 2007/2008. There are 25 commercial banks in Nepal. In this study, the risk &return of NIBL&EBL have been considered and for research purpose, primary and secondary data are use. For the data presentation, Statistical as well as financial tools are used and analysis of the risk and return characteristic of common stock investment of the commercial banks (NIBL&EBL). The common stock investment is the most risky security. Dividends are given to stockholders only if there will earning available to equity shareholders. A Financial market brings together people and organization willing to borrow money with those having surplus fund. The capital market is the part of financial market, which is related to long term debt and corporate stock. In capital market, the financial assets such as stock and bond are purchased or sold. The main objective of the stock market is to credit opportunity for maximum number of people to get the benefits from the return obtained by directing the economy toward the productive sector by mobilizing long term capital.

TABLE OF CONTENTS

Recommendation	i
Declaration	ii
Acknowledgment	iii
Executive Summary	iv-v
Table of Contents	vi-vii
List of Tables	viii
List of Figure	ix
Abbreviations	X
CHAPTER ONE	Page No.
INTRODUCTION	1-7
1.1 Background of the Study	1
1.1.1 Introduction of Banks under Study	3
1.2 Statement of the Problems	4
1.3 Objectives of the Study	5
1.4 Significance of the Project	5
1.5 Limitation of the Study	6
1.6 Organization of the Study	6
CHAPTER TWO	
REVIEW OF LITERATURE	8-20
2.1 Conceptual Framework	8
2.1.1 Concept of Investment	8
2.1.2 Concept and type of Return	8
2.1.3 Concept and Sources of Risk	9
2.1.4 Measurement of Risk	9
2.1.5 Investment Decision Based on Risk and Return	9
2.1.6 Concepts and Techniques of Portfolio Diversification	9
2.1.7 Portfolio analysis for selection	10

2.1.8 Systematic and unsystematic risk	11		
2.1.9 Portfolio of Risky and Risk Free Assets			
2.1.10 Capital Market Line (CML)			
2.1.11 Capital Assets Pricing Model and Security Market Line			
2.1.12 Difference between CML and SML			
2.1.13 Common Stock	12		
2.2 Reviews from Past Research, Thesis Project Work Articles, Journals	13		
CHAPTER THREE			
RESEARCH METHODOLOGY	21-24		
3.1 Research Design	21		
3.2 Population and Sample	21		
3.3 Sources of Data	21		
3.4 Analysis of data	22		
CHAPTER FOUR			
PRESENTATION AND ANALYSIS OF DATA	25-35		
4.1 Holding period Return (HPRt), expected return E(R)	25		
4.2 Standard Deviation, Variance and Coefficient of Variation	27		
4.3 Investment Decision	28		
4.4 Portfolio Risk and Return	28		
4.5 Minimum Variance Portfolio Weight	30		
4.6 Portfolio Selection	30		
4.7 Beta coefficient portfolio beta and types of beta	31		
4.8 Portioning of Total Risk	32		
4.9 Selection of company on the basis of systematic risk	32		
4.10 Security Market Line (SML)	32		
4.11 Overpriced and under priced of stock	33		
4.12 Major Findings	34		
CHAPTER FIVE			
SUMMARY, CONCLUSION AND RECOMMENDATION	36-39		

5.1 Summary	36
5.2 Conclusion	37
5.3 Recommendation	37
BIBLIOGRAPHY	

ANNEXES

LIST OF TABLES

Table No.	Titles	Page No.	
2.1	Difference between CML and SML		
4.1	Nepal Investment Bank Limited: Holding Period Return (HPR1)		
	& Expected Return E(R)	25	
4.2	Everest Bank Limited: Holding Period Return (HPRt)		
	& Expected Return E(R)	26	
4.3	Nepal Investment Bank Limited and Everest Bank Limited: Standard	d	
	deviation (), variance (2) and C.V.	27	
4.4	Table Showing $, E(R)$ and C.V. of NIBL and EBL	28	
4.5	Values of Portfolio Risk and Return with Different Weight	29	
4.6	Overpriced and under Priced of Stock	33	

LIST OF FIGURES

Figure No.		Titles	Page No.
4.1	Portfolio Selection		30
4.2	Security Market Line (SML)		33
4.3	Overpriced and under priced of	stock	34

LIST OF ABBREVIATIONS

AD	:	Anno Domini
AM	:	Arithmetic Mean
BS	:	Bikram Sambat
C.V.	:	Coefficient of Variation
CML	:	Capital Market Line
Co.	:	Company
EBL	:	Everest Bank Limited
ED	:	Edition
F/Y	:	Fiscal Year
Ltd	:	Limited
NIBL	:	Nepal Investment Bank Limited
NRB	:	Nepal Rastra Bank
PE	:	Probable Error
PE	:	Public Enterprise
Pvt.	:	Private
Rs.	:	Rupees
SD	:	Standard Deviation
SML	:	Security Market Line
TU	:	Tribhuvan University