



# **SUBMITTED BY:** Khushboo Dev

Post Graduate Campus Biratnagar TU. Regd. No.: 7-1-3-550-2003

Exam Roll No: 40089 Campus Roll No: 309



# SUBMITTED TO: The Office of the Dean Faculty of Management Tribhuvan University

In partial fulfillment of the requirement for the Degree of

Master's of Business Studies (M.B.S)

Biratnagar, Nepal

2012

Ref No. Tel No: 021-471327

021-471204

#### RECOMMENDATION

This is to certify that the Thesis

Submitted by: Khushboo Dev

**Entitled:** 

"PORTFOLIO ANALYSIS OF COMMERCIAL BANKS" (With Reference of BOK, EBL, NABIL, HBL & NIBL)

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

Mr. Ballav Poudel	Prof. Dr. Khagendra Acharya
(Campus Chief	(Head of Department/Supervisor)
Date:	

Ref No. Tel No: 021-471327

021-471204

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

We have conducted the viva -voce Examination of the thesis presented

By

Khushboo Dev

#### **Entitled:**

"PORTFOLIO ANALYSIS OF COMMERCIAL BANKS"
(With Reference of BOK, EBL, NABIL, HBL & NIBL)

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 the Master Degree in Business Studies (M.B.S.)

#### **Viva-Voce Committee**

(Prof. Dr. Khagendra Acharya) (Head of Department/Supervisor)	
Member (External Expert)	
Date:	

Acknowledgement

I am very much grateful and want to express my sincere gratitude to

Tribhuvan University, faculty of Management, Post Graduate Campus, Biratnagar for

Providing me an opportunity to carry out this study as a partial fulfillment of the

requirement for the degree of Master of Business Studies (MBS)

This Thesis has been prepared on "portfolio Analysis of Commercial Banks"

for the partial fulfillment of the Master of Business Studies (MBS). It has been a

matter of great pleasure for me to complete this thesis under the supervision of Dr.

Khagendra Acharya, Professor of post Graduate campus, Biratnagar and I also like to

express my sincere gratitude to him for his every kind inspiration, encouragement,

guidance, suggestions and valuable support and time for the preparation of this thesis.

I would like to place on record my thanks to the member staffs of the Library

of post Graduate Campus, Biratnagar and T.U central Library and also grateful to the

management of all the five Commercial Banks for providing the required data for the

Study.

This work is not sole attempt of mine alone .A large number of individuals

have contributed to this research work. I am thankful to all of them for their help and

encouragement in completing the work, my work has also been influence by a number

of standard and popular text books in the related field. I am grateful to my family

members and friends for their meaningful suggestion and encouragement while

writing this thesis. Lastly thanks to Mr. Jaya Prasad Poudel for his excellent typing,

setting and computer designing.

	•••••
Date	Khushboo Dev
	Post Graduate Campus

Biratnagar.

#### **DECLARATION**

I hereby declare that the work reported in this thesis entitled to "Portfolio Analysis of Commercial Banks". submitted to office of Dean, Faculty of Management, Tribhuvan University, is my original work done in the form of partial fulfillment of the requirements for the degree of Masters of Business Studies (MBS) under the guidance and supervision of Thesis Supervisor Dr. Khagendra Acharya of Post Graduate Campus, Biratnagar Tribhuvan University.

Khushboo Dev (Researcher) Post Graduate Campus

Date-....

## **TABLE OF CONTENT**

<u>S.N.</u>	<u>Particulars</u>	Page No.
СНА	PTER-1	
1. II	NTRODUCTION	1
	1.1 Background of the Study	1
	1.1.1 Meaning of Commercial Bank	2
	1.1.2 Development of Commercial Bank in Nepal	3
	1.1.3 Function of Commercial Bank	3
	1.1.4 Role of Commercial Bank	5
	1.1.5 Brief Profile on the sample Commercial Bar	nk Taken
	under study	5
1.2 St	tatement of the Problem	7
1.3 O	Dijective of the study	8
1.4 Si	ignificance of the study	8
1.5 N	leed and Importance of the Study	9
1.6 L	imitation of the Study	9
1.7 R	esearch Methodology	9
	1.7.1 Research Design	10
	1.7.2 Population and Sample	10
	1.7.3 Sources of Data	11
	1.7.4 Data Collection Procedure	11
	1.7.5 Data Analysis Tools	11
	1.7.5.1 Financial Tools	12
	1.7.5.2 Statistical Tools	12
1.8 O	Organization of the study	12
СНА	PTER - TWO	
2. RE	EVIEW OF LITERATURE	14
	2.1 Conceptual Review	14
	2.1 .1 Concept of Investment	14

2.1.2 Investment Portfolio	
2.1.3 Introduction to Portfolio Analysis 16	
2.1.4 Objectives of Portfolio Analysis 16	
2.1.5 Portfolio Risk and Return 17	
2.1.5.1 Portfolio Return 17	
2.1.5.2 Portfolio Risk 17	
2.1.6 Diversification of Risk 18	
2.1.6.1 Simple Diversification 18	
2.1.6.2 Superfluous Diversification 18	
2.1.6.3 Simple Diversification across Quality Rating	
Categories 19	
2.1.6.4 Markowitz Diversification 19	
2.1.7 Covariance, Correlation' Coefficient and Portfolio Risk 19	
2.2. Review of Related Studies 20	
2.2.1 Review of Markowitz's Portfolio Selection Module 20	
2.3 Review of International Journals 21	
2.4 Review of Legal Provisions 22	
2.5. Review of Nepalese Journals and Articles 25	
2.6 Reviews of Thesis 30	
CHAPTER - THREE	
3. RESEARCH METHODOLOGY	35
3.1 Research Design	35
3.2 Population and Samples	36
3.3 Sources of Data	36
3.4 Data Collection Procedure	36
3.5 Data Analysis Tools	37
3.5.1 Financial Tools	37
3.5.1.1 Risk and Return on Individual Investment Assets and	l
Investment Portfolio	37
3.5.1.2 Financial Ratios	39

3.5.2 Statistical Tools	40
CHAPTER- FOUR 4. DATA PRESENTATION AND ANALYSIS	43
4.1 Investment Portfolio Risk and Return Analysis of Commercial Bar	_
The involutional Political Particular Notation Analysis of Commissional Par	43
4.1.1 Return on Individual Investment	44
	44
	48
4.1.1.3 Return on Shares and Debentures	53
4.1.2 Risk on Individual Investment	54
4.1.2.1 Risk on Government Securities	54
4.1.2.2 Risk on Loan and Advances	59
4.1.2.3 Risk on Shares and Debentures	64
4.1.3 Return or Investment Portfolio	64
4.1.4 Risk on Investment Portfolio	69
4.2 Analysis of Ratios	75
4.2.1 Total Investment to Total Deposit Ratio	75
4.2.2 Investment on Government Securities to Total Outside	
Investment Ratio	77
4.2.3 Investment on Loan and Advances to Total Outside	
Investment Ratio	79
4.2.4 Investment on Shares and Debenture to Total Outside	
Investment Ratio	80
4.2.5 Return on Total Asset Ratio	82
4.3 Trend Analysis	84
4.3.1 Trend Analysis of Investment on Government Securities	84
4.3.2 Trend Analysis of Investment on Loan and Advances	88
4.3.3 Trend Analysis of Investment on Shares and Debentures	93

CHAPTER - FIVE	
5. SUMMARY, CONCLUSION AND RECOMMENDATION	98
5.1 Summary of the Study	98
5.2 Conclusion of the Study	100
5.2.1 Risk and Return Analysis	100
5.2.2 Ratio Analysis	100
5.2.3 Trend Analysis	100
5.3 Recommendation of tie Study	102

# LIST Of TABLE

Table 2.1 Deprived Sector Credit ceiling	23
Table 4.1 Return on Government Securities of BOK	44
Table 4.2 Return on Government Securities of EBL	45
Table 4.3 Return on Government Securities of NABIL	45
Table 4.4 Return on Government Securities of HBL	46
Table 4.5 Return on Government Securities of NIBL	46
Table 4.6 Return on Government Securities of Banking Industry	47
Table 4.7 Return on Government Securities of sample Banks and Banking	
Industry	47
Table 4.8 Return on Loan and Advances of BOK Bank	49
Table 4.9 Return on Loan and Advances of EBL	49
Table 4.10 Return on Loan and Advances of NABIL	50
Table 4.11Return on Loan and Advances of HBL	50
Table 4.12 Return on Loan and Advances of NIBL	51
Table 4.13 Return on Loan and Advances of Banking Industry	51
Table 4.14Return on Loan and Advances of Sample Banks and Ba	anking
Industry	52
Table 4.15Market Return on Shares and Debentures of Banking	
industry	54
Table4.16 Risk on Government Securities of BOK	55
Table 4.17 Risk on Government Securities of EBL	55
Table 4.18 Rick on Government Securities of NABIL	56
Table 4.19 Risk on Govt. Securities of HBL	56
Table 4.20 Risk on Govt. Securities of NIBL	57
Table 4.21 Risk on Govt. Securities of Banking Industry	57
Table 4.22 Risk and Return on Government Securities of Sample	Banks
and Banking Industry	58
Table 4.23 Risk on Loan and Advances of BOK	59
Table 4.24 Risk on Loan and Advances of EBL	60
Table 4.25 Risk on Loan and Advances of NABIL	60

Table 4.26 Risk on Loan & Advance of HBL	61	
Table 4.27 Risk on Loan and Advances of NIBL	61	
Table 4.28 Risk on Loan and Advances of Banking Industry	62	
Table 4.29 Risk and Return on Loan and Advances of Sample Bank	S	
and Banking "Industry	62	
Table 4.30 Risk on Shares and Debentures of Banking Industry	64	
Table 4.31Portfolio Return on Investment of BOK	65	
Table 4.32 Portfolio Return on investment of EBL	65	
Table 4.33Portfolio Return on investment of NABIL	66	
Table 4.34 Portfolio Return on investment of HBL	66	
Table 4.35 Portfolio Return on Investment of NIBL	67	
Table 4.36 Portfolio Return on Investment of Banking Industry	67	
Table 4.37 Portfolio Return on Investment of Sample Banks and		
Banking Industry	68	
Table 4.38 Portfolio Risk on Investment of BOK	70	
Table 4.39 Portfolio Risk on Investment of EBL	71	
Table 4.40 Portfolio Risk on Investment of NABIL	72	
Table 4.41 Portfolio Risk on Investment of HBL	72	
Table 4.42 Portfolio Risk on Investment of NIBL	73	
Table 4.43 Portfolio Risk or, Investment of Banking Industry	73	
Table 4.44 Portfolio Risk on Investment of Sample Banks and Banki	ng	
Industry	74	
Table 4.45 Total Investment to Total Deposit Ratio	76	
Table 4.46 Government Securities to Total Outside Investment Ratio	o 77	
Table 4.47 Loan and Advances to Total outside Investment Ratio	79	
Table 4.48 Shares and Debentures to Total Outside Investment Ratio	81	
Table 4.49 Return on Total Asset Ratio	83	
Table No. 4.50 Trend analysis of investment on government securiti	es	
of BOK	85	
Table No. 4.51Trend analysis of investment on government securities of		
EBL	86	

Table No. 4.52 Trend analysis of investment on government securities	
of NABIL 86	
Table No. 4.53Trend analysis of investment on government securities of	
HBL 87	
Table No. 4.54Trend analysis of investment on government securities of	
NIBL 87	
Table 4.55Trend Analysis of Investment on Govt. Securities of Banking	
Industry 88	
Table 4.56 Trend Analysis of Investment on Loan and Advances of BOK	
89	
Table 4.57 Trend Analysis of Investment on Loan and Advances of EBL	
90	
Table 4.58 Trend Analysis of Investment on Loan and Advances of	
NABIL 90	
Table 4.59 Trend Analysis of Investment on Loan and Advances of HBL	
91	
Table 4.60Trend Analysis of Investment on Loan and Advances of NIBL	
91	
Table 4.61Trend Analysis of Investment on Loan and Advances of	
Banking Industry 92	
Table 4.62 Trend Analysis of Investment on Shares and Debentures of	
BOK 92	
Table 4.63Trend Analysis of Investment on Shares and Debentures of	
EBL 94	
Table 4.64 Trend Analysis of Investment on Shares and Debentures of	
NABIL 95	
Table 4.65 Trend Analysis of Investment on Shares and Debentures of	
HBL 95	
Table 4.66Trend Analysis of Investment on Shares and Debentures of	
NIRI 96	

Table 4.67Trend Analysis of Investment on Shares and Debentures of Banking Industry

96

## **LIST OF FIGURE**

Page	No.
Figure 4.1 Return on Government Securities of sample Banks and	
Banking Industry	48
Figure 4.2Return on Loan and Advances of Sample Banks and	
Banking Industry	52
Figure 4.3Market Return on Shares and Debentures of Banking Indu	ıstry
54	
Figure 4.4 Risk and Return on Government Securities of Sample	
Banks and Banking Industry	58
Figure 4.5 Risk and Return on Loan and Advances of Sample Bank	s
and Banking Industry	60
Figure 4.6 Portfolio Return on Investment of Sample Banks	and
Banking Industry	68
Figure 4.7 Portfolio Risk on Investment of Sample Banks and Bankir	ng
Industry	74
Figure 4.8 Total Investment to Total Deposit Ratio	76
Figure 4.9 Government Securities to Total outside Investment Ratio	78
Figure 4.10 Loan and Advances to Total outside Investment Ratio	80
Figure 4.11 Shares and Debentures to Total outside Investment Ratio	81
Figure 4.12 Return on Total Asset Ratio	83
Table No. 4.13 Trend and Actual Value of investment on government	nent
securities of BOK	85
Figure 4.14 Trend and Actual Value of Investment on Loan	and
Advances of BOK	89
Figure 4.15 Trend and Actual Value of Investment on Shares	and
Debenture of BOK	94

#### **ABBREVIATIONS**

BOK Bank of Kathmandu Limited

B.S. Bikram Sambat

CBs Commercial Bank

CCR Cash Reserve Ratio

Cov. Covariance

C.V. Coefficient of Variation
EBL Everest Bank Limited

F/Y Fiscal Year
Govt. Government

HBL Himalayan Bank Limited

i.e. That is Limited

MBS Masters of Business Studies

NABIL Nabil Bank Limited

NEPSE Nepal Stock Exchange

NIBL Nepal Investment Bank Limited

NPAT Net Profit After Tax

N R B Nepal Rastra Bank

RWA Risk-weighted Asset

S.D Standard Deviation

SEBO Security Exchange Board
T.U Tribhuvan University

TOI Total Outside Investment