## A study of

# Credit Risk Management of Rastriya Banijya bank and Standard Chartered Bank Nepal Limited



By Arjun Bhandari

Shankar Dev Campus Roll Number: 2569/064

T.U. Regd. No. 7-1-54-1230-99

#### **A THESIS**

Submitted to Shankar Dev Campus, Kathmandu

In a partial fulfillment of the requirements for the degree of
Master of Business Study (MBS)

Kathmandu
October, 2011

## RECOMMENDATION

This is to certify that the thesis

Submitted By: Arjun Bhandari

Entitled:

A study of

# Credit Risk Management of Rastriya Banijya bank and Standard Chartered Bank Nepal Limited

1 Tor. Dr. Rumar Deep Dhaka
Prof. Dr. Kamal Deep Dhakal
for examination.
the prescribed format of

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

We have conducted the viva-voce of the thesis presented

# Submitted By: Arjun Bhandari

# Entitled: A study of

# Credit Risk Management of Rastriya Banijya bank and Standard Chartered Bank Nepal Limited

And found the thesis to be 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 degree of **Master of Business Studies** 

## **Viva-Voce Committee**

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

### **DECLARATION**

I hereby declare that the work carried out for the thesis entitled "A study of Credit Risk Management of Rastriya Banijya bank and Standard Chartered Bank Nepal Limited" submitted to Shankar Dev Campus, Faculty of Management, Tribhuvan University, is my original work done as partial fulfillment of the requirements for the Master's Degree of Business Studies (MBS) under the supervision of Mr. Joginder Goet, Lecturer of Shankar Dev Campus.

Arjun Bhandari Researcher Shankar Dev Campus

#### **ACKNOWLEDGEMENT**

This research "A Study on Credit Risk Management of Standard Chartered Bank Nepal Limited and Rasriya Banijya Bank" has been prepared for the partial fulfillment of the requirement for Master Degree in Business Studies. It is really an appreciable curriculum of T.U. because it helps the students to express their theoretical concept achieved during the study period into the practical field.

I would like to express my deep gratitude to my thesis supervisor **Mr. Joginder Goet of** Shankar Dev Campus, under whose guidance, suggestions and timely supervision I got the opportunity to perform this research.

I am very much obliged to Security Board, Rasriya Banijya Bank, Standard Chartered Bank Nepal Limited providing me data as well as suggestions. The help of Secretary and Chartered Accountant of RBB Mr. Biswo Poudel and Mrs. Saraswoti Ashikati was admirable. I would like to express my sincere thanks to library staffs of Shankar Dev Campus for their ready assistance.

I would like to express my hearty thanks to all of my family members who provided me continuous inspiration as well as contribution for my achievement.

Thank You!

Arjun Bhandari

## **TABLE OF CONTENTS**

	Page No
Recommendations	
Viva-voce sheet	
Declarations	
Acknowledgement	
Table of Contents	
List of Tables	
List of Figures	
Abbreviations	
CHAPTER I INTRODUCTION	1-17
1.1 General Background	1
1.2 Nepalese Financial System	3
1.3 Credit Market in Nepal	5
1.4 Lending Criteria for the Commercial Banks	5
1.5 Historical Review of Banks	5
1.6 Profile of Sample Banks	9
1.7 Focus of the Study	13
1.8 Statement of the Problem	14
1.9 Objectives of the Study	14
1.10 Significant of the Study	15
1.11 Limitations of the Study	15
1.12 Organization of the Study	16

## CHAPTER II CONCEPTUAL FRAMWORK & LITERATURE

REVIEW	18-47
2.1 Conceptual Review	18
2.2 Meaning of Risk	19
2.2.1 Credit Risk	19
2.2.2 Operational risk	21
2.2.3 Market Risk	22
2.2.4 Liquidity Risk	22
2.2.5 Interest Rate Risk	23
2.2.6 Foreign Exchange Risk	23
2.2.7 Systematic Risk	23
2.2.8 Credit Risk Management	24
2.2.9 Credit Risk Mitigation	25
2.2 Principal of Risk Management	26
2.2.1 Principles for the Assessment of Banks' Management of	Credit
Risk	26
2.2.2 Fundamental Principles for the Management and Superv	ision of
Liquidity Risk	27
2.2.3 Principles for the Management of Operational Risk	29
2.3 Review of NRB Directives	30
2.4 Review of Related Studies	38
2.4.1 Review of Previous Research Works	39
2.5 Research Gap	46
CHAPTER III RESEARCH METHODOLOGY	48-57
3.1 Research Design	48
3.2 Universe and Sample	48
3.3 Data Collection Procedures	49
3.4 Sources of Data	49

3.5 Data Collection Techniques	49
3.6 Tools and Techniques Used	50
3.7 Method of Analysis & Presentation	56
CHAPTER IV PRESENTATION AND ANALYSIS OF DATA	57-98
4.1 Analysis of Non-Performing Loan	57
4.1.1 Status and Change in NPL	57
4.1.2 Yearly Write off	60
4.1.3 Portfolio at Risk/NPL Ratio	61
4.1.4 LLP to NPL Ratio	63
4.1.5 LLP to Total Loan	63
4.2 Analysis of Portfolio Management	64
4.2.1 Sector-Wise Lending of RBB and SCBNL	65
4.2.1.1Agriculture Sector	67
4.2.1.2 Mining Sector	68
4.2.1.3Productions Sector	69
4.2.1.4 Constructions Sector	70
4.2.1.5 Metal Productions, Machinery & Electrical Tools & Fitting	;S
Sector	72
4.2.1.6 Transportation Equipment Production & Fitting Sector	73
4.2.1.7 Transportation Communications & Public Services Sector	75
4.2.1.8 Wholesaler & Retailers Sector	76
4.2.1.9 Finance, Insurance & Fixed Assets Sector	77
4.2.1.10 Service Industries Sector	79
4.2.1.11 Consumable Loans	80
4.2.1.12 Local Governments	82
4.2.1.13 Others Sector	82
4.2.2 Security- Wise Loans and Advances OF RBB & SCBNL	84
4.2.3 Percentage of Security Wise Loan Outstanding	86

4.2.4 Product Wise Loan outstanding of RBB & SCBNL	87
4.3 Analysis of Risk Weighted Assets	88
4.3.1 Analysis of Risk Weighted Assets	88
4.3.2 Investment in Government Securities	89
4.3.3 Capital Adequacy Ratio	90
4.4 Total Loan to Total Deposit Ratio	90
4.5 Total Investment to Total Deposit	91
CHAPTER V SUMMARY, CONCLUSIONS AND	
RECOMMENDATIONS	99-102
5.1 Summary	99
5.2 Conclusions	100
5.3 Recommendation	101
Bibliography	
Appendix	

## LIST OF TABLES

TABLE NO	PAGE NO
Table: 1.1Number of Financial Institutions licensed by	
NRB (Mid-Jan 2010)	4
Table: 2.2Loan Loss Provisioning	32
Table: 2.3 Core Capital (Tier 1)	36
Table: 2.4Supplementary Capital (Tier II)	37
Table: 4.1Change in NPL	57
Table: 4.2Multiple Correlation Coefficients of NPL between RBB, SCBNL & Commercial Banks	59
Table: 4.3Loan Write-Off of RBB and DCBNL	61
Table: 4.4Portfolio at Risk	62
Table: 4.5LLP to NPL Ratio	63
Table: 4.6LLP to Total Loan	64
Table: 4.7Sector Wise Loans and Advances of RBB & SCBNL	66
Table: 4.8Investments in Agriculture Sector	67
Table: 4.9Investments in Mining Sector	68
Table: 4.10Investments in Productions Sector	69
Table: 4.11Investments in Constructions Sector	71
Table: 4.12Investment in Metal Productions, Machinery &	
Electrical Tools & Fittings Sector	72
Table: 4.13Investments in Transportation Equipment Production & Fit Sector	ting 74
Table: 4.14Investments in Transportation Communications	
& Public Services Sector	75
Table: 4.15Investments in Wholesaler & Retailers Sector	76
Table: 4.16Investments in Finance, Insurance & Fixed Assets Sector	78
Table: 4.17Investments in Service Industries Sector	79
Table: 4.18Investments in Consumable Loans	81

Table: 4.19Loans to Local Governments	82
Table: 4.20Investments in Others Sector	83
Table: 4.21Security- Wise Loans and Advances OF RBB & SCBNL Table: 4.22Percentage of Security Wise Loan Outstanding	84 86
Table: 4.23Product Wise Loan outstanding of RBB & SCBNL	87
Table: 4.24Analysis of Risk Weighted Assets	88
Table: 4.25Investment in Government Securities to Total Assets Ratio	89
Table: 4.26Capital Adequacy Ratio	90
Table: 4.27Total Loan to Total Deposit Ratio	91
Table: 4.28Total Investment to Total Deposit Ratio	92

## LIST OF FIGURES

FIGURE NO	PAGE NO
Figure: 4.1Investments in Agriculture Sector	67
Figure: 4.2Investments in Mining Sector	68
Figure: 4.3Investments in Productions Sector	70
Figure: 4.4Investments in Constructions Sector	71
Figure: 4.5Investment in Metal Productions, Machinery &	
Electrical Tools & Fittings Sector	73
Figure: 4.6Investments Transportation Equipment Production &	
Fitting Sector	74
Figure: 4.7Investments Transportation Communications & Public Serv	ices
Sectors	75
Figure: 4.8Investments Wholesaler & Retailers Sector	77
Figure: 4.9Investments Finance, Insurance & Fixed Assets Sector	78
Figure: 4.10Investments in Service Industries Sector	80
Figure: 4.11Investments in Consumable Loans	81
Figure: 4.12Investments in Others Sector	83

#### **ABBREVIATIONS**

AD Anno Domini

ADB Agriculture Development Bank

AM Arithmetic Mean

AMC Assets Management Company

BS Bikram Sambat

CACD Credit Administration and Control Department

CEO Chief Executive Officer
CFR Credit Facility Report
CV Coefficient of Variation

FI Financial Institution

FY Fiscal Year

INGO International Non Government Organization

KBL Kumari Bank Limited
LLP Loan Loss Provision
NBA Non Banking Assets
NBL Nepal Bank Limited

NGO Non Government Organization
NIBL Nepal Investment Bank Limited

NIDC Nepal Industrial Development Corporation

NPA Non-Performing Assets
NPL Non-Performing Loan
NRB Nepal Rastra Bank
PE Probable Error

RBB Rastriya Banijya Bank
RBI Reserve Bank of India
RM Relationship Manager

SCBNL Standard Chartered Bank Nepal Limited

SD Standard Deviation

SME Small and Medium Enterprise

SPV Special Purpose Vehicle

SWIFT Society for Worldwide Inter-bank Financial Telecommunication