

**NON-PERFORMING ASSETS AND ITS EFFECT ON PROFITABILITY OF
NEPALESE COMMERCIAL BANKS
(with reference to ADBL, NIBL, GIBL, EBL and NIC Asia Bank)**

A Thesis

By

Shivjee Kumar Mahato

Central Department of Management

Class Roll No. 79

Exam Roll No.: 823/16

T.URedg. No.: 7-1-13-1422-2007

**In the partial fulfillment of the requirements for the Degree of
Master of Business Studies (MBS Semester)**

In the

Faculty of Management

Tribhuvan University

Kritipur, Kathmandu

March, 2021

**NON-PERFORMING ASSETS AND ITS EFFECT ON PROFITABILITY OF
NEPALESE COMMERCIAL BANKS
(with reference to ADBL, NIBL, GIBL, EBL and NIC Asia Bank)**

A Thesis

By

Shivjee Kumar Mahato

Central Department of Management

Class Roll No. 79

Exam Roll No.: 823/16

T.URedg. No.: 7-1-13-1422-2007

In the partial fulfillment of the requirements for the Degree of

Master of Business Studies (MBS Semester)

In the

Faculty of Management

Tribhuvan University

Kritipur, Kathmandu

March, 2021

APPROVAL SHEET

We, the undersigned, have examined the thesis entitled "**Non-Performing Assets and its Effect on Profitability of Nepalese Commercial Banks**" presented by Shivjee Kumar Mahato, a candidate for the degree of Master of Business Studies (MBS Semester) and conducted the viva-voce examination of the candidate. We hereby certify that the thesis is worthy of acceptance.

.....
Lecturer Dr. Udaya Kishor Tiwari
Thesis Supervisor

.....
Prof. Bhawani Shakar Acharya
Internal Examiner

.....
Prof. Dr. Binod Kumar Sah
External Examiner

.....
Prof. Dr. Sanjay Kumar Shrestha
Chairperson, Research Committee
Central Department of Management, Tribhuvan University

.....
Prof. Dr. Ramji Gautam
Head of Department
Central Department of Management, Tribhuvan University

Date: 1st July, 2021

CERTIFICATION OF AUTHORSHIP

I certify that the work in this thesis entitled "**Non-Performing Assets and its Effect on Profitability of Nepalese Commercial Banks**" has not previously been submitted for a degree nor has it been a part of requirements for a degree except as fully acknowledged within the text.

I also certify that the thesis has written by me under the supervision of Lecturer Dr. UdayaKishorTiwari. In addition, I certify that all information sources and literatures used are indicated inthe reference section of the thesis.

.....

Shivjee Kumar Mahato

Date: 29th June, 2021

REPORT OF RESEARCH COMMITTEE

Ms/Mr. ShivjeeKumar Mahato has defended research proposal entitled **Non-Performing Assets and its Effect on Profitability of Nepalese Commercial Banks**. The research committee has registered the dissertation for further progress. It is recommended to carry out the work as per suggestion and guidance of supervisor Lect. Dr. UdayaKishorTiwari and submit the thesis for evaluation and viva voce examination.

Name of Supervisor:

Dr. UdayaKishorTiwari

Position: Lecturer

Signature.....

Dissertation Proposal Defended Date:

.....

Name of Supervisor:

Mr. Bhawani Shankar Acharya

Position: Professor

Signature.....

Name of Head of Research Committee:

Prof. Dr. Sanjay Kumar Shrestha

Signature.....

ACKNOWLEDGEMENT

First, I would like to express my special gratitude and appreciation to all the authors and learned personalities, whose writings have been cited in this study. I also express my sincere gratitude to those authors whose writings through and reaching on conclusion.

I am grateful to my esteemed supervisors Lecture Dr. UdayKishorTiwari for his precious guidelines, inspiration and constructive suggestion thoroughly during the period of this research. Without his valuable insight, I would not think of accomplishment of this thesis. I acknowledge my friend Sundar Pal for his kind help and support.

I am also thanking the staff members of T.U. Central Department of Management and Central Library who provide the reference and reading materials during the period of research.

Finally, I express my profound gratitude to all family members specially Dr. Sunil Singh who always encourage and support to make me more enthusiastic throughout the research programmed. Their continuous motivation towards the path of my academic pursuit, constant financial and moral support has steered me to complete this degree.

Specially, I am also thank to Durka Man Maharjan of Durka Computer System, KirtipurNaya Bazar for his computer typing and printing.

Thank you,

Shivjee Kumar Mahato

March 2021

ABSTRACT

This study aimed to examine the non-performing assets and its effect on profitability of Nepalese commercial banks. The research analyzed of profitability ratio, return on assets, return on equity, profit margin ratio, non-performing loan to total loan ratio, total loan to total assets ratio provision for loan loss coverage ratio of Nepalese commercial banks. Secondary data were collected from Nepal Rastra Bank Annual Report, different news, articles published. The study covers the period of 2070 to 2077 for four private commercial bank and one government bank. Data were analyzed using descriptive research design. The arithmetic mean, standard deviation, correlation coefficient regression model used to examine the relationship of dependent and independent variables and SPSS tools used for data analysis. The regression model were estimate the significant impact of non-performing loan on Nepalese commercial banks. NLTTLR, the ratio which measures the proportion of non-performing loan out of the total loan. The ratio of ADBL is highest than four banks, which has average ratio of 6.00 but it is in the declining trend. Ratio of NIBL, GIBL and NIC are 1.98, 2.82, 5.32 and 1.5 respectively. And combined average is 3 mean. TLTTAR of all five banks or combined mean 70.109 and among all fivebanks it is higher in EBL which is 72.94 TLTTAR of ADBL, NIBL, GIBL, NIC are 71.75, 66.32, 70.15 and 61.36 respectively and standard deviation is also high in EBL than of four banks. GIBL is able to maintain loan portfolio. Provision for loan loss amount (PLL) is also in the same ratio of NPL. But ADBL has maintained lower proportion of PLL in year 2074 than NPL and increasing it from 2074 to maintain previous NPL.

TALE OF CONTENTS

<i>Title Page</i>	<i>i</i>
<i>Certification of Authorship</i>	<i>ii</i>
<i>Recommendation Letter</i>	<i>iii</i>
<i>Approval Sheet</i>	<i>iv</i>
<i>Acknowledgement</i>	<i>v</i>
<i>Tale of Contents</i>	<i>vi</i>
<i>List of Tables</i>	<i>viii</i>
<i>List of Figures</i>	<i>ix</i>
<i>Abbreviations</i>	<i>x</i>
<i>Abstract</i>	xii
CHAPTER - I: INTRODUCTION	1-10
1.1 Background of the study	1
1.1.1 Concept of non- performing Assets	1
1.1.2 Concept of Profitability	4
1.1.3 Overview of selected commercial banks	3
1.2 Statement of problems	7
1.3 Purposes of the study	8
1.4 Significance of the study	8
1.5 Limitations of the Study	9
1.6 Chapter Organization	9
CHAPTER - II: REVIEW OF LITERATURE	11-31
2.1 Conceptual review and theoretical framework	11
2.1.1 Causes of NPL	13
2.1.2 Effects of NPL	15
2.1.3 Solutions regarding recovery of NPL	17
2.1.4 Provision for loan loss (PLL)	19
2.1.4.1 Concept of provision for loan loss	19
2.1.4.2 Provision for loan loss coverage ratio	20
2.1.5 Complementary relations between macro-economic factors and NPLs	20
2.1.5.1 Influence of macro-economic factors on NPLs	20

2.1.5.2	Influence of NPLs on Macro economic variables of the country	22
2.1.6	Relationship between bank's capital adequacy and assets quality	23
2.1.6.1	Capital adequacy (CA)	23
2.1.6.2	Assets quality (AQ)	24
2.1.6.3	Interrelationship between CA and AQ	24
2.1.7	Balancing of provisioning and capital requirements	25
2.1.8	Conceptual relationship between dependent and independent variable	26
2.1.9	Classification of non- performing loan as prescribed according to NRB	26
2.2	Empirical reviews	28
2.2.1	Review on NPL-Profitability and PLL-Profitability of banks	28
2.2.1.1	Review of Journal and Books	28
2.3	Research Gap	30
CHAPTER - III: RESEARCH METHODOLOGY		32-39
3.1	Research Design	32
3.2	Population and sampling	32
3.3	Nature and Sources of data	32
3.4	Techniques of analysis	33
3.5	Tools of Analysis	33
3.5.1	Financial Tools	33
3.5.2	Statistical Tool	35
3.5.2.1	Descriptive statistics	35
3.5.2.2	Inferential Statistics	36
3.5.3	Pattern Analysis	39
CHAPTER - IV: RESULTS		40-70
4.1	Descriptive Analysis of variables of the study	40
4.1.1	NPL indicators	40
4.1.1.1	Non performing loan to total loan ratio (NLTTLR)	40
4.1.1.2	Total Loan to Total Assets Ratio (TLTTAR)	42
4.1.1.3	Provision for Loan Loss Coverage Ratio	44
4.1.2	Profitability Indicators	46

4.1.2.1	Return on Equity	46
4.1.2.2	Return on assets	48
4.1.2.3	Profit margin ratio	30
4.1.3	Contribution of NPL, PLL, TL and NP of the sample banks	52
4.1.3.1	Non performing loan asset	52
4.1.3.2	Provision for loan loss	53
4.1.3.3	Total loan	54
4.1.3.4	Net Income	55
4.2	Co-relational analysis of variables	57
4.2.1	Simple Correlation between dependent and predictor variables of individual banks	57
4.2.1.1	ROA and independent variables	57
4.2.1.2	ROE and independent variables	58
4.2.1.3	PMR and independent variables	60
4.2.2	Overall correlation of five banks	62
4.3	Multiple Regression Model and Hypothesis testing	63
4.3.1	Regression model of ROA on NLTTLR, PLLCR and TLTTAR	63
4.3.2	Regression model of ROE on NLTTLR, PLLCR, TLTTAR	64
4.3.3	Regression model of PMR on NLTTLR, PLLCR and TLTTAR	65
4.4	Major Findings	67
4.4.1	Findings from Hypothesis testing	69
CHAPTER-V: SUMMARY, CONCLUSION AND IMPLICATIONS		71-75
5.1	Summary	71
5.2	Conclusion	72
5.3	Implications	74
5.4	Implications for further study	75

References

Appendix

LIST OF TABLES

Table 4.1: Non performing loan to total loan ratio (NLTTLR)	40
Table 4.2: Total Loan to Total Assets Ratio (TLTTAR)	42
Table 4.3: Provision for Loan Loss Coverage Ratio	44
Table 4.4: Return on Equity	46
Table 4.5: Return on assets	48
Table 4.6: Profit margin ratio	50
Table 4.7: ROA and independent variables	57
Table 4.8: ROE and independent variables	58
Table 4.9: PMR and independent variables	60
Table 4.10: Overall correlation of five banks	62
Table 4.11: Regression model of ROA on NLTTLR, PLLCR and TLTTAR	63
Table 4.12: Regression model of ROE on NLTTLR, PLLCR, TLTTAR	64
Table 4.13: Regression model of PMR on NLTTLR, PLLCR and TLTTAR	65

LIST OF FIGURES

Figure 4.1: Non performing loan to total loan ratio (NLTTLR)	41
Figure 4.2: Total Loan to Total Assets Ratio (TLTTAR)	43
Figure 4.3: Provision for Loan Loss Coverage Ratio	45
Figure 4.4: Return on Equity	47
Figure 4.5: Return on assets	48
Figure 4.6: Profit margin ratio	51
Figure 4.7: Contribution of NPL, PLL, TL and NP of the sample banks	52
Figure 4.8: Non performing loan asset	52
Figure 4.9: Provision for loan loss	53
Figure 4.10: Total loan	54
Figure 4.11: Net Income	55

ABBREVIATION

ADBL	: Agriculture Development Bank
ADBW	: Agriculture Development Bank
AQ	: Assets Quality
ATM	: Automated Teller Machine
CA	: Capital Adequacy
CEO	: Chief Executive Officer
CPI	: Consumer Price Index
EBL	: Everest Bank Limited
FINSAL	: Financial Sector Advising Center
GIBL	: Global IME Bank
IMF	: International Monetary Fund
NIBL	: Nepal Investment Bank
NIC Asia	: Nepal Industrial and Commercial Bank
NLTTLR	: Non-Performing Loan to Total Loan Ratio
NPA	: Non Performing Assets
NPAS	: Study on Non-performing Assets
NPL	: Non Performing Loan
NRB	: Nepal Rastra Bank
PCR	: Provisioning Coverage Ratio
PLL	: Provision for Loan Loss
PLLCR	: Provision for Loan Loss Coverage Ratio
PMR	: Profit Margin Ratio
PNB	: Punjab National Bank
RBB	: RastriyaBanijya Bank
ROA	: Return on Assets
ROE	: Return on Equity
T.V.	: Television
TLTTAR	: Total Loan to Total Ratio