

# CHAPTER – 1

## INTRODUCTION

### 1. GENERAL BACKGROUND

Nepal is a landlocked country situated in South Asia which lies between two powerful nations, India and China. Occupying 1, 47, 181 sq. km. with the average length of 885 Km east to west and average breadth about 193 km north to south, it is one of the developing countries of the world. The country has one of the lowest level of per capita income in the world. During the fiscal year 2006/07, the country's economy portrayed the following:

- The average annual consumer inflation moderated to 6.4 percent in the F.Y. 2006/07 from the level of 8.0 percent in the F.Y. 2005/06.
- Total exports rose marginally by 0.9 percent in the F.Y. 2006/07 compared to a growth of 2.6 percent in the previous year.
- Total imports rose by 10.3 percent in the F.Y. 2006/07 in comparison to a higher growth of 16.3 percent in the previous year.
- The overall balance of payments (BOP) recorded a surplus of Rs. 5.88 billion in the F.Y. 2006/07. The current account surplus of Rs. 3.50 billion and the capital and financial account surplus of Rs 2.38 billion summed the HOP surplus at Rs 5.88 billion.
- The gross foreign exchange reserves accumulation was Rs. 165.11 billion as at mid-July 2007, almost the same level as at mid-July 2006.
- As per the preliminary estimates of Central Bureau of Statistics, the growth of gross domestic product (GDP) decelerated to 2.5 percent at producer's price in the F.Y. 2006/07.

*(NRB, Current Macroeconomic Situation, Based on Annual Data of 2006/07)*

In a country like Nepal, banking consciousness is lacking as well as majorities of the people are economically and financially immobile. So, the country is facing great problem to get economic prosperity. Sustainable economic growth requires intermediary channels for efficient allocation of funds. Through intermediary channels such as financial institutions and financial markets, funds should be efficiently channeled from depositors and investors to borrowers in need of funding,

for example, to expand their business or buy a house. By mobilizing the scattered idle resources from the savers, intermediary channels pool up the funds in a sizable volume in order to feed the fund requirement of productive sector of the economy. The role played by financial institutions and financial markets in this process is referred to as the function of financial intermediation. Financial institutions as important financial intermediary channels need to maintain sound business operations. Financial institutions need to better satisfy various financial demands of customers and enhance profitability by continually improving the ways in which they manage risks and their business operations and to remain as the major contributing factors to the growth of the nation's economy, they themselves have to have sustainable existence and growth of themselves for which profitability is a must.

Profitability is a deviation of the term profit, which explains the ability to make the profit. Profit is primary a measuring rod of a success of a business enterprises. Profit is essential for the survival of the business. It is the difference between revenue generated and expenses occurred over the period of time but the term profit has several different interpretations. It is a basic test of the performance of any business concern. Without profit a firm could not attract the outside capital. Moreover, the owners and creditors would become concerned about the company's future and attempt to recover their funds. Owner creditors and management pay close attention for boosting profit due to the great importance placed on earning the market place.

Profitability is a technical term, used to compare performances analysis of different trading systems or different investments within one system. This is computed for each system or investments being compared over the same period long enough to include significant 'ups' and "downs". So analysis of the profitability of the business is very essential which can be used to measure the overall efficiency of the business. Profitability of the business can be analyzed through the financial analysis which refers to the assessment of the viability and stability of the business.

Profitability of a company is usually based on the income statement. A properly conducted profitability analysis provides invaluable evidence concerning the earnings potential of a company and the effectiveness of management. While analyzing profitability different profitability ratios are calculated. Profitability ratios provide a definitive evaluation of the overall effectiveness of management based on the returns generated on sales and investment. The most widely used profitability measurements are profit margin on sales, return-on-investment ratios, and earnings per share.

## **1.1 COMMERCIAL BANKS**

Commercial banks are those banks, which perform all kinds of banking functions accepting deposits, advancing loans, credit creations and agency functions. Their main objective is to earn maximum profit. In Nepal, commercial banks play a vital role by providing different facilities and services. They also provide services like collection of bills and cheques, safe keeping of valuables, financial advising etc. to their customers. Thus, the main objective for the establishment of a commercial bank is to help the business sector, industrial sector & agricultural sector develop. Hence, this type of bank provides loans to such sectors at a very reasonable interest rate. However, at present a bank performs numerous functions that generate income for the bank. The key success of a commercial bank lies in its ability to raise funds & use it for investing purposes, acting as an intermediary between debtors & creditors.

In order to operate the commercial banks incorporated in Nepal, various laws have been consolidated. Commercial Bank Act 2031 B.S. (1947 A.D.) has also been amended quite several times in accordance to the need. After 1955, HMG/N & NRB permitted the establishment of other Commercial Banks, Finance Companies, Gramin Bikas Banks, Co-operative Societies & NGOs.

## **1.2. FUNCTIONS OF COMMERCIAL BANK**

Commercial Bank is said to be the financial wheel of an economic system. Nepal Commercial Bank Act 2031 B.S. has defined commercial bank as stated earlier and it has also emphasized on their functions. The major functions of a commercial bank are as follows.

- To accept custody of the funds with or without interest and open fixed account and saving accounts in the name of depositions.
- To supply loans (short-term debt as well as long term debts wherever necessary for trade and commerce) or make investment.
- To help to issue shares and debentures of any company or any other corporate body, guarantee or underwrite such shares or debentures and undertake any agency business but not become a managing agent.

- To conduct transactions in bonds, provisional notes or bills of exchange foreign exchange relating to commerce or corporation as are redeemable within the kingdom.
- To grant overdraft.
- To issue letter of credit, draft and traveler's cheque.
- To remit or transit hind to different place within or outside the kingdom.
- To purchase, sell or accept the securities of H.M.G.

Beside this, the commercial bank arranges the amount of foreign exchange required by various organization and travelers. Moreover, foreign trade transactions are facilitated through the issuance of letter of credit. Bank also provides locker facilities to the customers to keep valuable ornaments and documents. Bank also makes payments, pays and collects rent, pay insurance premium, etc. on behalf of its clients. In case of joint venture commercial bank, it issues internationally valid credit cards, ATM cards, Telebanking etc. Beside, bank has many more functions and roles in the development of national economy.

### **1.3. ROLE OF COMMERCIAL BANK**

Commercial bank plays vital role by providing different facilities and services. The important roles of commercial bank are as follows:

- a) Capital formation
- b) Monetization of economy
- c) Price stability
- d) Control in interest rate
- e) Availability of credit
- f) Development of neglected and deprived sectors
- g) Promotion of saving
- h) Implementation of monetary policy
- i) Long term loan
- j) Transfer of funds

#### **1.4 BRIEF INTRODUCTION OF NEPAL BANK LIMITED**

Nepal Bank Limited, the first commercial bank of Nepal, was established in 1994 WS. Nepal Bank Limited is the pioneer financial institution of Nepal. From the very inception and its creation, Nepal Bank Ltd. came in the form of public and private partnership. Out of 2500 equity shares of Rs.100 face value, 40% was subscribed by the government and the remaining i.e. 60% was offered for the subscription to private investor.

The bank stands its operation with the authorized capital of Rs.10 million with only 10 shareholders when the bank first started. In that era, very few understood or had confidence in this new concept of formal banking. Rising equity shares were not easy and mobilization of deposits even more difficult. This was evident when the bank floated equity shares worth Rs.25,00,000, but could raise only Rs.8,42,000. At present, it has an authorized capital of Rs.1,000 million and the issued capital of Rs.500 million and paid up capital of Rs.380.4 million. The inception of the bank helped to remove dual currency system and circulating the Nepalese currency throughout the country gradually.

During the past 7 decades, the bank experienced many ups and downs, but it has remained the leading financial institution in Nepal. It has helped vastly in by accumulating the scattered money in small amount in each and every nook and corners of the country and granting loans and advances in various ways.

At present the bank is operating 109 branches in 55 districts of the country with 2,976 staffs. The bank plays great role to develop the economic condition of country by providing different facilities and services to their customers like collection of bills and cheques, safe keeping of valuables, financial advising etc.

#### **1.5 BRIEF INTRODUCTION OF RASTRIYA BANIJYA BANK**

Rastriya Banijya Bank (RBB), the fully government owned bank and commonly accredited as the people's Bank in Nepal, established in 1996, has completed glorious 42 years of it's service. The Bank's slogan "Its Your own Bank" signifies the importance of RBB in the socio-economic development of the country. Since its establishment, RBB has remained an indispensable financial institution of the Nepalese society and economy.

Although RBB ranks No.1 position in terms of total deposits (Rs.50.34 billion) and in terms of loan /investment portfolio (Rs.38.10 billion), as of 16th July 2007. The Bank's performance has been irregular in past years necessitating the government of Nepal to contract a team of 19 banking professionals to restructure the Bank with financial assistance of the World Bank and DFID. The new Management Team, of whom 16 are Chartered Accountants, joined RBB in January, 2003 under a two year contract and in January 2005, the Team was extended for an additional year until December, 2007. Key elements of the Team are expected to be retained for an additional period until the restructuring is sustainable.

RBB has the largest branch network in Nepal, covering 48 branches in the mountainous region, 46 in Terai region, and 19 in the Kathmandu Valley. . The Branch Operations Department is responsible for supervising all 113 branch network. The Internal Audit Department monitors the work 2f the branches and regional offices. With the corporate office located at Singhadurbar plaza, RBB has a staff of 3,500 and maintains 113 branches located throughout the country enabling the bank to provide banking products and services to all segments of the national economy accompanying the rural and agricultural needs as well as the largest industrial and commercial enterprises.

## **1.6 STATEMENT OF THE PROBLEM**

Commercial Banks play vital role in economic growth of the country. As being a commercial institution, a commercial bank must make profit out of its operation for its survival and fulfillment of its responsibilities. The major activities of the commercial banks include mobilization of resources, which involves cost, and profitable deployment of the resources, generating income. The excess return income over expenses is the main source of profit to the bank. In case the bank fails to generate sufficient returns on the resources deployed, it makes a drain on the company's resources and country's resources as well.

Till the early 1980s, the financial sector was not opened up for private sector. Only two commercial banks - Rastriya Banijya Bank and Nepal Bank Limited, that are government controlled, are functioning in Nepal. The economic reforms initiated by the Government more than one and half decade ago have changed the landscape of several sectors of the Nepalese economy. The Nepalese banking industry is no exception. As a result of this policy, large number of banks and financial institutions

mushroomed across the country. Both the government owned and privately incorporated banks co-exist in Nepalese economy. However, the performance of the privately incorporated banks is doing better than those with the government control. Because of the tailor-made product and services provided by the private institutions, they have been able to perform significantly well in the market.

The last five years was also the period of financial sector reform and restructuring. Various programs related to strengthening of the NRB, the restructuring of the Nepal Bank Limited (NBL) and Rastriya Banijya Bank (RBB) and enhancing the capacity of the whole financial sector were implemented during this period. Under the financial sector reform program, human resource development and institutional restructuring of this bank were also carried out to make the regulation and supervision system effective. In addition, the policy of gradually phasing out the non-core activities of the bank has been adopted.

To improve the financial situation of the two government owned banks, NBL and RBB, by restructuring them, the management of these banks was handed over to the foreign consultants. After the foreign consultants took over the management, from 2003/04 to mid- April 2007, RBB and NBL earned net profit of Rs 4.93 billion and Rs. 4 billion respectively. In this period, RBB and NBL recovered Rs 10.64 billion and Rs 8.03 billion of their non-performing loan (NPL) in cash respectively. As a result, NPL, which is taken as an indicator of the financial health of the commercial banks, declined from 30.4 percent in mid-July 2002 to 14.1 percent. The NPL ratios of NBL and RBB, though improving, are still high. (NRB, Monetary Policy 2007-08, P2)

In the period of reform and restructuring, these two banks (NBL and RBB) have gradually improved its performance, recovered drastically from the NPL as well as started increasing the level of net profit steadily. In this context, the comparative profitability analysis of NBL and RBB will provide an insight to the banks performance with respect to profitability.

### **1.7 FOCUS OF THE STUDY**

Every country needs to give emphasis on upliftment of economic conditions. The upliftment of economic conditions of a nation needs mobilization of its own domestic resources through banking. But the financial situation of Nepalese banking sector is in a very poor condition. Apart from other measures required to improve their performance, the banking sector is expected to have better prospects with effective profit planning and control. So the main focus of this study is the financial performance and profitability analysis of commercial banks in the context of Nepal. Since profit is not only factor to analysis the financial performance, some other factors need to be considered while evaluating the profitability of Nepalese commercial banks. In this study, the profitability analysis of Nepal Bank Ltd. and Rastriya Banijya Bank was made.

### **1.8 OBJECTIVE OF THE STUDY**

The specific objectives of the study are:

- To analyze the profit and loss trend and growth of the bank over the period.
- To evaluate the profitability and operating financial efficiency of Nepal Bank Ltd. and Rastriya Banijya Bank
- To compare and analyze fund based interest income with fee based income of Nepal Bank Ltd. and Rastriya Banijya Bank in light of interest earning assets.
- To provide suggestions and recommendations for the improvements of the overall profitability of the banks.
- To provide the information to investor, creditors, stakeholders.

### **1.9 SIGNIFICANCE OF THE STUDY**

The profitability analysis is an effective managerial evaluation of performance. It studies the effect on the shareholders' return and risk. Consequently, the effect on market value of the share can be verified with profitability analysis. A proper profit planning considerably contributes to improve the overall financial performance and leads the organization toward success. In this study, an attempt was made for drawing the overall picture of the selected commercial banks of Nepal. Data of five fiscal years were presented systematically and analyzed.

This study will be helpful to management of the selected commercial banks of Nepal to make effective profit planning strategy for future. This also will be valuable for researcher, students who want to investigate into the profitability of the selected commercial banks of Nepal. It will also be important to the bank, investors and stakeholders concerned.

- The study will compel the management of Nepal Bank Ltd. and Rastriya Banijya Bank Ltd. for self assessment of what they have done in the past and provides guidance for their future plans and program.
- The study enlightens the shareholders, depositors, creditors, NRB, Tax office etc. about the financial performance of the bank
- The financial agencies including stock exchanges and stock traders interested in the performance of the bank as well as the customer, depositor and debtors can identify the better bank to deal with in terms of profitability, safety and liquidity.
- Policy makers, the government and NRB at the macro level will be benefited regarding the formulation of further policies to facilitate economic development of the country.

#### **1.10. LIMITATION OF THE STUDY**

This study is not free from certain limitations. The major limitations of the study are as follows:

- The study was concerned with Nepal Bank Ltd. and Rastriya Banijya Bank.
- The study was only to analyze profitability aspect. It ignored other aspects like assets management, risk management and other activities like investment policy of bank.
- The whole study was based on the data of 5 fiscal years period from the F.Y. 2059/60 to 2063/64 and conclusions were confined to the above period.
- This study was based on the financial statements like balance sheet, profit and loss account and cash flow statement which provided the quantitative information.

## 1.11 ORGANIZATION OF THE STUDY

The study is classified into five different chapters which are briefly discussed as follows:

### **Chapter 1 — Introduction**

The first chapter dealt with introduction of the study. It includes introduction, general background, statement of the problem, objectives, significance, limitation of the study and organization of the study.

### **Chapter 2 — Review of Literature**

The second chapter dealt with the review of literature which included review of related books, journals, articles and previous unpublished Master Level Dissertation etc.

### **Chapter 3 — Research Methodology**

This chapter explained the research methodology used in the, study. It included research design, population and sampling, types and source of data, data collection procedure, method of analysis and analytical tools used.

### **Chapter 4 — Data Presentation and analysis**

Data presentation and analysis contained in the fourth chapter dealt with presentation of the data collected through various sources and analysis of data as well as major findings of the study.

### **Chapter 5—Summary, conclusion and recommendations**

This is the last chapter of the study covered the summary of the study and the main conclusion drawn from the study and some recommendations as well as suggestions on the basis of the study.

## **CHAPTER -II REVIEW OF LITERATURE**

### **2. CONCEPTUAL FRAMEWORK**

#### **2.1 PROFIT & PROFITABILITY**

Generally profit is defined as the excess of revenue over cost. In other words, profit is the residual income, which is equal to sale proceeds minus costs. Profit is the resources left to the firm for future growth and explanation or reward to be distributed to the entrepreneurship in the form of dividends etc. In a simple term, profits mean the residual balance of earning expected to be available with the firm that is obtained after deducting entire expenses, costs, charges and provision from total revenue of a period of time.

It is lifeblood of each type of business. Every business organization should earn profits to survive and grow over the long period of time. Obviously Organization will have no future if it is unable to make reasonable profit from its operation. As a matter of fact, the overall efficiency of an organization is reflected in its profits. Profits to the managements are the test of efficiency and a measurement of control: to the owners, a measure of worth of their investment: to the creditors, the margin of safety to the employees: a source of fringe benefits to the Government. a measure of fixed paying capacity and the basis of legislative action; to customers, a hint to demand for better quality and price cuts; to a bank, less burden some source if finance existence and finally to the country. Profit is index of economic progress. Thus, if an organization fails to make profit, capital invested erodes and if this situation prolongs it ultimately cease to exist.

Profit has been universally recognized and accepted as a measure of business efficiency Thus the larger the profits, the more efficiency and profitable the business organization is deemed to be. This criterion has the greater advantage that it provides a common standard of measuring the efficiency if different bank. Regarding this, Laxmi Narayan clearly states. 'Profit is the simple, convenient and the most popular yardstick of judging the efficiency of private and public business enterprises. Profit helps in judging the overall efficiency and is easy to calculate. Even through profit maximization unlike private enterprise, is not objective of public enterprises, yet profit services as a well accepted criterion for the judging the overall efficiency of public enterprises too.' (Narayan,1980,P260) The profit is the ultimate measure of

effectiveness. A profitable company is likely to offer not only security of employment but also promotion prospects. Job opportunities and the intense personnel motivation that comes from being associated with success. John Argent observes. "Profit is the barometer of the success of business. It is, indeed, a magic eye that mirrors all aspects of entire business organizations including the quality output." (Argent, 1968 p34)

The term "profitability" is composed of two words 'profit' and 'ability'. It reflects the capacity of a business organization to earn profit. It is also referred to as 'earning capacity' or 'earning power' of the concern investment. Thus the term profitability may be taken as the ability to earn profit. According to Howard and Upton. "The word profitability may be defined as the ability of a given investment to earn return on its use."

It may be mentioned that the term 'profitability' is distinguished from the word profit. Profit refers to the absolute quantum of profit whereas profitability alludes to the ability to earn profit. The former is an absolute measure in itself while the latter is a relative one. According to W.M. Harper. the profitability is a relative measure. It indicates the most profitable alternative. The profit, on the other hand is an absolute measure. It indicates the overall amount of profit earned by transaction. As the profitability is the relative measure. It is used to judge the degree of operational efficiency of management. Furthermore, it is essentially employed to measure the relative efficiency of different trading systems or different investments within one system. In the profitability analysis, the profit making ability of an organization is measured in terms of size of investment in it or its sales volume. Such an analysis of profitability reveals how particularly such a position stands as a result of transactions made during the year. It is particularly interesting to the suppliers of funds who can evaluate their investment and take necessary decision thereon.

The state of profitability is a variable thing like the temperature and humidity of a day. The determination of profitability by an accountant or analyst is very much similar to temperature reading and study of humidity by a meteorologist. A meteorologist records the weather on daily basis with an intention to forecast its future prospects. Likewise, an analysis records yearly profit of a bank with a view to make prediction of the future prospects.

The purpose of profitability measurement is to see whether a bank has effectively used its resources to achieve its profitability objectives. The profitability objectives

refer not to the maximum profit the business can produce but to the minimum it must produce. The minimum profit is the profit at the minimum rate required for the desired type of investment in the bank. However, there must not be enough profit to yield the capital in the market rate of return on money which is already sunk in business, but also to provide additional capital needed to cover the cost of staying in business.

## **2.2 MEANING OF PROFIT**

Profit, from Latin means "to make progress". It is defined in various ways. In economics profit is the concept of reward of the entrepreneur for risk taking and management. In business operations, it is the gain from manufacturing; merchandising and selling operations after all expenses are met. Since profit is added to net worth, it may be measured by the increase in net worth over that of the previous accounting period. The amount of concern's profit thus may be determined not only through the profit and loss statement but also by the comparison of the earned surplus or net worth in the balance sheet which, however, is the residue of profits after dividends and any other appropriations and does not reveal details of sources of income and expenses which are found in profit and loss account. In speculative transactions, profit is the excess of the net selling price over the costs (including all charges) of the security or commodities traded in. (Woelfel, 1999, P540)

Profit is a motivating factor behind many managerial activities. Much has been written about the role (as opposed to the method of calculation) of profit. Profit plays three roles in the capitalistic society. Profit is the financial reward of risk taking; profit is the financial reward for having monopoly power; profit is the financial reward for the efficient management. The promise of profit provides a strong incentive to owners and managers to act efficiently. "Profit is essential for every enterprise to survive in the long run as well as to maintain capital adequacy through retained earnings. It is also necessary to accept market for both debts and equity to provide funds for increased assistance to the productive sectors." (Robinson, 1951, P21-22)

Account and economics are two disciplines in which profit is viewed in different concepts. Pure economic profit is the increase in wealth that an investor has from making an investment, taking into consideration all costs associated with that investment including the opportunity cost of capital. Accounting profit is the difference between retail sales price and the costs of manufacture. A key difficulty in measuring

either definition of profit is in defining costs. Accounting profit may be positive even in competitive equilibrium when pure economic profits are zero.

In economics, a firm is said to be making an economic profit when its revenue exceeds the total (opportunity) cost of its inputs. According to Adam Smith (The father of economics) "Profit is the sum remaining after the payment of all wages (wage) in economics includes payments to officers of corporations, to proprietors, to partners and to farmers as well as to what we today term (labor) and rent on the unimproved value of land, as the return to capital."

Profit in the accounting sense is the net figure of difference between all types of measurable revenues and all measurable costs. In accounting, profit is expressed only on explicit and measurable accounting terms and on the book value basis. However, in economics, profit is measured in the realizable terms. "Profit in the accounting sense is the excess of revenue receipts over the costs incurred in producing this revenue. This concept of profit is also known as residual concept. But, in economics, both implicit and explicit costs are deducted from total sales revenue in determining profits." (Cauvery 1997, P122-123) As a matter of fact over the years there has been quite an evolution as to what particular items should be deducted from gross income to arrive at an "accounting" profit. Thus, "accounting" profit is a concept of man made legislation of the courts, of the Security of Exchange Commission. of accounting organizations: a concept which has always s been in evolution. "Economic" profit on the other hand, is a concept of a natural law of economics and like the law of gravitation has remained and will remain unchanged over the ages. However, the profit under discussion is concerned with accounting profit, which in a simple language, is the positive and fruitful difference between two revenues and total expenses over a period of time.

Multiple meaning of the word "profits" has always been troublesome. Accountants have made energetic efforts in recent years to discard the word for that purpose and to refer to the conventional concept as business income a natural term at avoids any overlap with economic theory. The most important points of difference between the economists and accountants arc as follows:

1. The inclusiveness of costs i.e. what should be subtracted from revenue to get profit.
2. Meaning of depreciation
3. the treatment of capital gains and losses

4. The price level basis of valuation of assets and liabilities
5. Although there may be arguments in favor and against profit generating almost all firms require earning it. Their rate of earning differs from firm to firm and time to time.

### **2.3 THEORIES OF PROFIT**

Economists have propounded several theories of profits to explain profits of entrepreneurs. Most of the theories are centered on the controversy about the role of the entrepreneur. In the following section some of the fundamental theories of profit have reviewed in brief.

#### **I. Theory of Risk and Uncertainty Bearing:**

It was F.B. Hawley who first developed the theory of risk bearing and concluded that profit is a reward of the entrepreneurs for bearing risks. But the theory was picked up by Professor FH Knight who divided risk into insurable risk and uncertainties. Thus according to Knight Profit is a reward to the entrepreneur for his non-transferable function of bearing non-insurable risk and uncertainties.

## **2. Dynamic Theory of Profit:**

This theory was propounded by J.B. Clark. According to this theory, 'dynamic changes' in the economy are the basic causes of emergence of profits. There is no profit in the static economy as no changes take place. In a dynamic economy there are constant changes in population, capital, methods of production and industrial set up. These changes multiply wants of consumers which earn profits to the entrepreneur.

## **3. Innovation theory of profit:**

Joseph Schumpeter singled out 'innovation' from the dynamic theory of profits and developed 'evolutionary theory of profit' and innovation in the changing world gives rise to profits. In his views, the entrepreneur plays an important role of introducing innovation in an economy and profits are the rewards for his role as an innovator. The innovation could be changes in technology or techniques that reduce cost of production or increases demand for the product.

## **2.4 NEED FOR PROFIT**

Profit is necessary for the following reasons:

### **1. Measurement of Performance:**

Profit is only factor to measure the management efficiency, productivity and performance. Profit is the most widely used yardstick to see what really is to be achieved and where the firm is to go in the future.

### **2. Premium to cover costs of staying in Business:**

Business environment is full of risks and uncertainties, to grasp the globally changing technologies, to stay in the market uncertainties, to replace and acquire assets and enhancing business scope etc. require a profit margin.

### **3. Ensuring Supply of Future Capital**

Profit is necessary to plough back in the investments like innovations, business expansion and self financing. It also attracts investors for further investment.

### **4. Return to the investors**

Shareholders provide equity capital to the business because they expect the entity will provide return to their funds at least equal or above market rate of return. To maintain the shareholders expectation it is most important that a firm should earn sufficient profit so that it can distribute dividends.

## **2.5 PROFITABILITY OF COMMERCIAL BANKS**

Banks today are under great pressure to perform to meet the objectives of their stockholders, employees, depositors and borrowing customers, while somehow keeping government regulators satisfied that the bank's policies, loans, and investments are sound." (Rose,1991,P155) The majority of the needs of the stakeholders are related with the profitability of the banks. For example in case the bank earns profits, the investors get dividends, employees get bonus, government gets benefits in forms of taxes etc. Thus, the foremost objective of the banks is the profit maximization. As other types of business entity commercial banks are also inspired by the profit.

The major source of funds of the bank is the public deposit. Commercial banks invest public deposits on those sectors where they can attain the maximum income or higher rate of return as the bank is liable to pay certain rate of interest to the public in their deposit. Hence the investment or granting of loan and advance by them are highly influenced by profit margin. Generally the profit of commercial bank depends upon the interest rate of the bank, volume of loan provided, time period of loan, and nature of investment in different securities. However, the bank at the same time has to ensure that their investment is safe from default.

Aspiration of profit to commercial banks seems reasonable as the bank has to cover all the expenses as interest to the depositors and other administrative costs. They

should make payment in the form of dividend to the shareholders who contributed to build up the banks' capital and keep aside for the provision and reserves. For this the bank calculates the cost of fund and likely return, if the spread is enough irrespective of risk involved and absorbs its liquidity obligations, it will go ahead for investment.

A successful bank is one who invests most of its funds in different earning asset standing safely from the problem of liquidity i.e. keeping cash reserve to meet day-to-day requirements of the depositors. After all the commercial bank is simply a business corporation organized for the purpose of maximizing the value of the shareholders wealth invested in the firm at an acceptable level of risk. So bank has to make a crucial decision regarding a mixture of liquidity and profitability cause lower the liquidity higher the profitability and higher the liquidity lower the profitability and both are equally important. Banks cannot afford to ignore any of them.

## **2.6 LIQUIDITY**

In banking, liquidity is the ability to meet obligations when they come due without incurring unacceptable losses. In other words, the capacity of bank to pay cash against any upcoming obligations is called liquidity. Managing liquidity is a daily process requiring bankers to monitor and project cash flows to ensure adequate liquidity is maintained. Maintaining a balance between short-term assets and short-term liabilities is critical as the commercial banks have liability to the deposits collected and they immediately should give it in the time when the depositors asked.

Banking is the business of financial dealing whose major source of financing is the public deposit. Deposit accounts represent the primary funding in traditional commercial banks. and the loan portfolio represents the primary asset. The investment portfolio represents a smaller portion of assets, and serves as the primary source of liquidity. Investment securities can be liquidated to satisfy deposit withdrawals and increased loan demand. Banks have several additional options for generating liquidity. such as selling loans, borrowing from other banks. Borrowing from a Central Bank and raising additional capital. Most banks are subject to legally-mandated reserve requirements intended to help banks avoid a liquidity crisis.

A large part of bank deposits are withdrawn on demand and hence the bank must be prepared with sufficient degree of liquidity of its assets. Once the confidence is lost in depositors' eyes they may withdraw all the deposits within the brief period when the bank is unable to generate adequate cash without incurring substantial financial losses since most of assets of the bank are attached in the loan and advances. Even the best bank can hardly survive in such a situation. Confidence depends upon the ability of bank to meet the readily demand for cash made by customers. Commercial banks maintain liquidity in all or any forms of following:

1. Cash in self vault and in other banks-specially in NRB (First Line of Defense)
2. Over night placements moony at call or short notice or another very short term placements (Second Line Defense)
3. Investment in marketable securities like government securities, which can be easily sold and readily convertible into cash (Third in of Defense) (Dahal & Dahal 1906,P 41)

## **2.7 TRADE OFF BETWEEN PROFITABILITY AND LIQUIDITY**

Profitability of commercial banks is highly dependant on the optimum utilization of available resources and invests the deposit collected in safe and profit generating assets like loan, and advances and investments. However, banks can not ignore the necessity of maintaining a portion of the deposits in their cash vault, or in the immediate approach like in the account of central banks or in any highly liquid assets like government treasury hills. Other government bonds that can be easily sellable without loosing and further value.

A sound liquidity position of the bank satisfies the demand of the deposit holder, which maintains the goodwill of the banks. Since, banks are faithfully considered as the last resort for monetary needs of the public, the incapability of fulfilling their demands will loose the faith of the depositors! public. Once any signaling effect is negatively attached in the perception of the depositors, they tend to doubt in the bank's dependability and that can consequent in the bank run. Further, banks must maintain the certain portion of deposits in the vault and in NRB.

However, liquid assets are almost all idle. They do not generate any profits. The cash

in the vault meets any upcoming obligations immediately but banks will not be able to generate an returns in such a case. Further banks do not get an interests or other returns in the accounts maintained in the central banks. NRB in our case.

Profitability and liquidity maintain a highly negative co-relation. Since both are equally important for commercial banks. Banks cannot ignore any of them. So. the crucial decision for the management of the banks is to trade-off between them. The more liquidity the less will be the profitability and vice versa.

## **2.8 FINANCIAL STATEMENT OF A COMMERCIAL BANK**

The financial statement of a commercial bank includes balance sheet, profit and loss account. Cash flow statement and other relevant disclosures. Merely' presenting the financial statement does not satisfy' the aim of the study as financial statements are just of financial information to this analysis. Thus, the focus of the study will go to the analysis of the financial statements of the bank, especially' on profitability of the bank. This will make some attempts to identify the financial position of the bank and to give necessary suggestions thereto.

### **2.8.1 Balance sheet**

Balance sheet is not an account but it is a statement of assets and liabilities of business enterprises at the given date. It is a statement summarizing the financial position of the firm. The balance sheet is prepared at the end of accounting period. Bank's balance sheet is composed of shareholder's fund, borrowings, debentures and other liabilities and provision on the liabilities side and cash and bank balance, stock, debtors, loan and advances, branch accounts, investment and fixed assets on the assets side.

The brief explanation on accounting heads of the balance sheet is provided below:

## **A. Capital and Liabilities**

### **1. Share Capital**

The amount of paid up capital of the bank should be mentioned under this head. The amount received against calls made should be credited in this share capital account.

### **2. Reserves and Funds**

This accounting head shall contain the amount of reserves appropriated from profit, as well as created through any other process and accumulated profit. Generally, this account shall be credited by debit to profit & loss appropriation account and utilization of such reserves shall be debited to the concerned reserve and fund accounts. The following account heads fall under this heading.

- a. General reserve fund: This is a stationary reserve. Under this head, only the amount appropriated from profit as per Commercial Banking act shall be credited. Currently, 20% of the net profit should be transferred to this account. Distribution of dividend by utilizing this fund is restricted approval of Nepal Rastra Bank shall be obtained for the use of this fund for any other purposes. (NRB 2062 P 29)
- b. Capital Reserve Fund: Profit on revaluation of assets and capital assets received in grant from other shall be accounted under this head.
- c. Share Premium: This represents the amount of money collected on issue of shares in excess of its face value. The outstanding amount in this account shall not be considered eligible for distribution of dividends. However, it may be used for issue of bonus shares under approval of Nepal Rastra Bank.
- d. Other Reserves: Funds and reserves, other than those mentioned above shall be included under this head.
- e. Accumulated Profit/Loss: Under this head. the balance of the accumulated profit or loss as per shown in the Profit and Loss Appropriation account shall be shown.

### **3. Borrowing**

The borrowed funds of the bank shall be disclosed under this head. Bank borrowing, placements, overnight placements, borrowing from central banks foreign banks falls under this heading.

### **4. Deposits**

The principal liability of a commercial bank is its deposits collected from general public, business and government agencies. Deposits received from the depositors as well as the interest payable on the deposits shall be credited to the account of the depositors. The deposit liabilities accepted by the bank shall be exhibited under this head.

### **5. Bills Payable**

Under this head, the outstanding amounts pertaining to draft, telex transfer. Payment orders issued by one branch to another branch of the bank, as well as bills drawn on the bank by other local and foreign banks shall be accounted.

### **6. Other Liabilities**

Other than the capital and liabilities mentioned above, all other liabilities of whatsoever nature shall be included under this heading. Any other accounting heads that could not be exhibited elsewhere may be included under this head as required.

## **B. Assets Side**

### **1. Cash Balance**

The most liquid asset held by any commercial bank is cash. This heading shall be used for showing the total amount of cash-in-vault, consisting of local and foreign currency. Since cash is the most liquid asset, it is used to cover deposit withdraws, handle credit demands from customers, and to meet all regular and emergency expenses.

### **2. Balance with banks**

The balances of amounts in non-interest bearing accounts maintained by the bank with Nepal Rastra Bank as well as with other local and foreign banks shall be exhibited under this head.

### **3. Money at call or short notice**

The amount of all interest bearing placement with other banks with maturity of less than 7 days with stipulated condition for payment at call or at short notice (48 hours) shall be exhibited under this head.

### **4. Investments**

As a line of defense to meet demands for cash and serve as a quick source of funds, banks invest certain proportion of funds in the liquid assets. These typically include holding of shorter-term government bonds like treasury bills development bonds etc. and other securities purchased in the open market and readily convertible into cash in the financial market. Other forms of investment include investment in the shares and debentures of other companies. These investments are mainly made for their ability to generate income. The investments are to be valued at market price or cost price whichever is lower.

Commercial banks invest the funds to the shares, debenture and bond of the other company. They generally do so when there is excess of funds than required and there are no alternative opportunities to make investment in the profitable sector. Now-a- days the commercial banks of Nepal have purchased share and debenture of regional development bank. NIDC and other development banks etc. these type are mainly held for their income-generating power and for other advantage like tax shelter etc. The investments are to be valued at market price or cost price whichever is lower.

#### **5. Loan Advances and Bill Purchased**

This is a primary source of income and most profitable asset to a bank. The sum outstanding of all loans and advances extended to the customers as well as bills purchased and discounted hills less the amount of provisions made shall be exhibited. However, the loans extended to the staffs shall not be disclosed under this head and should be shown under other assets.

#### **6. Fixed Assets**

All assets of long-term nature owned by the bank (land & buildings, machinery, vehicles, office equipments etc) shall be accounted under this head and be exhibited in the balance sheet at written down value after deducting the depreciation from the total cost.

#### **7. Other Assets**

The heading shall be used for accounting of any other tangible or intangible assets, not mentioned above. Stationery stock, accrued interest on investment, accrued on loan, sundry debtors, assets in transit, non-banking assets, expenses not written off etc.

## **2.8.2 Profit & Loss Account**

The banks profit & loss account is composed of interest, administrative expenses, provision for possible losses, bonus provision, tax provision, investment provision etc. as expenses and interest, discount, commission, charges etc. as incomes. The summary of the heads of account in the profit and loss account in the profit and loss account of a commercial bank is given below.

### **A. Expenses Side**

#### **1. Interest Expenses**

Payment of interest on deposits accepted by the bank and on the borrowings is shown under this head. Interest is regularly expensed off for various deposits; inter bank borrowings, central bank borrowings and other external obligations.

#### **2. Employee expenses**

All expenses related to the employees of the bank for the specific period shall be included under this head. Expenses included are salary, allowances, pension, gratuity, training expenses uniform expenses etc.

#### **3. Office Overhead Expenses**

All expenses related to the office overhead of the bank during the specific period shall be included under this head. Some of the expenses under this head are house rent, insurance, audit expenses, newspapers and magazines advertisement etc

#### **4. Exchange loss**

The negative balance in exchange fluctuation gain/loss account shall be exhibited under this head.

## 5. Non-Operating Expenses

These are the expenses that have no direct relationship with the operation of banking transaction. Some of the examples are loss on sale of investment and loss on sale of assets.

## 6. Bad debts written off

Where the bank has written off loans on account of being unrecoverable, such written off amount to the extent not covered by loan loss provision shall be charged to profit and loss account under this head.

## 7. Provision for Possible Loss

This is one of the most important heads of account related to the profitability of the bank. As per the directive of the Nepal Rastra Bank, the banks are required to make provision for loan losses. The provisions are to be made on the basis of the expiry dates on the principal amount of the loans and advances. As per the directive the provisions to be made is as follows.

Category	Provision required	Criteria
Pass	1%	due upto 3 months
Substandard	25%	due upto 3 - 9 months
Doubtful	50%	due for 9 months - 2 year
Loss	100%	due for more than 2 years

However, in case of bills purchased items, provision is to be provided at 1% if it stands due for 90 days and in case it remains due for more than 90 days 100% provisions is required. (NRB,2062,P 36)

## 8. Provision Staff Bonus

The amount of bonus set aside for payment to *staffs* is disclosed under this head. As per the Nepal Rastra Bank directives the bank is entitled to make provision for the staff bonus at 10% on the net profit after adjustment for loan loss provision.

## **9. Provision for Income Tax**

The amount of income tax on net taxable profit for the period shall be determined through this head. Taxable profit has to be determined considering the allowable and disallowable expenses as per the prevailing income tax act and finance bill.

## **10. Net Profit**

This figure represents the excess of total income over total expenses of the bank during the period.

## **B. Income side**

### **1. Interest Income**

This is the primary source of income of any commercial bank. Under this head the interest received from the customers on behalf of the loans and advances and on the investments of the bank is exhibited. However Nepal Rastra Bank has established several criteria for the recognition as interest income.

- ) The interest income should be recognized on cash basis.
- ) The amount of interest accrued but not received; have to be credited to the interest suspense account.

- ) In case of the interest accrued is realized within one month from the date of closure of fiscal year, such amount may be recognized in the income of the earlier fiscal year.
- ) The interest on loans and advances should not be recovered by overdrawing the borrowers current account or where overdraft limit has been extended h' overdrawing such limit.

## **2. Commission and Discount:**

The total amount of commission service charges and discount earned by the bank from the transactions during the period shall be exhibited under this head. Some examples are commission on issue of guarantees, commission on issuance of L/C etc.

## **3. Exchange Gain**

Banks deal with foreign currencies. Foreign currencies are remitted outwards and inward. Banks involve in trade while dealing this transaction. Banks make trading gain while selling and buying foreign currency stocks for their trade as well as banks gain from revaluation the stock whenever the exchange rates are in their favor. Both the trading gain and revaluation gain are exhibited under this head.

## **4. Non-Operating income**

Income or profit that has no direct relationship with the operation of banking transaction has to be recognized into profit and loss account under this head. These incomes are casual source of income and are not from regular course of business but from other sources where the business entity can be involved legally as prescribed by the directives if related government authority. Nepalese commercial banks are allowed to invest in the share of another entity like other commercial banks, rural development banks, financial institution and other government institutions. The investing bank receives dividend income and other income.

## **5. Other income**

Receipts of all other income not specifically provided under the income heads as above shall be booked under this head e.g. rental income of safe deposit boxes, income from telex, service charge and renewal charges etc.

## **6. Net loss**

The figure represents the excess of total expenses over total income of the bank during the period.

### **2.9 REVIEW OF THE RELATED STUDIES:**

#### **2.9.1 REVIEW OF JOURNALS:**

Sharma (1998), "joint Venture Banks in Nepal: Co-existing or crowding out Prasad" HMG year 19'No.3 52<sup>nd</sup> issue 1998, expressed his view regarding commercial bank in Nepal that. "It would be definitely unwise of Nepal not to let JVBs to operate in the country and not taking advantage of them as an additional means of resource mobilization in new area in banking. But, it is certainly be unfortunate to the country to develop the JVBs at the cost of the domestic banks. So for one should admit freely, no partial treatment has extended to the domestic banks and JVBs, at least from the government side. If HMG keeps on the stance of treating the domestic and JVBs equally despite the latter's bargaining strength. If JVBs show their alacrity to come forward to share the trials and tribulations of the poor country both type of bank will co-alliance and co-exist, complementing each other and contributing to accelerated the nations economic development. On the contrary, if the cumbersome path of development along with the domestic banks and government, they will eventually crowd out the domestic banks from the more profitable urban areas and lucrative urban areas unless revived in by the determination of the government.

Bajracharya (2047), "Rastriya Banijya Bank: A comparative performance study" states, "Despite the growth of commercial banks is not consistent, low growth of local banks and JVBs. The mobilization of rural savings is better in case of local banks.

Credit expansion is decreased in local banks than JVBs. Credit deposit ratio is better in JVBs. Non performing loan is greater in local banks and profitability is greater in JVBs. Local banks are forced to open and continue their branches in rural areas therefore the competition among the banks and JVBs is not healthy.

Dhungana (2053), "Problem encountered by the Nepalese financial system", highlighted the major weakness of the banking sector, mainly of RBB and NBL. According to the writer, the financial sector is dominated by banking sector and which in turn, is dominated by two old government owned banks. These two banks constitute the largest component of total deposit of banking system. These two banks suffer from various problems, which results the unsound health of the banking industry of Nepal. The two major weaknesses of these banks are

### 2.9.2 REVIEW OF ARTICLES :

In addition to financial performance, various articles were published on financial aspect, which deals in the context of Nepalese commercial banks and sector of Nepal .

Demirguc-Kunt and Harry Huizinga (1999) in the article, “Determination of Commercial Bank interest Margins and Profitability” Some International Evidence”, says that differences in interest margins and bank profitability reflect a variety of determinants: bank characteristics, macroeconomics conditions, explicit and implicit bank taxation, deposit insurance regulation, overall financial structure, and underlying legal and institutional indicators. A larger ratio of bank assets to gross domestic product and a lower market concentration ratio lead to margins and profits, controlling for difference in bank activity, leverage and the macroeconomics environment . Foreign banks have higher margins and profits than domestic banks in developing countries, while the opposite holds in industrial countries . Also there is evidence that the corporate tax burden is fully passed onto bank customer, while higher reserve requirements are not, especially in developing countries .

Dhungana (2061), “Financial sector reform program (FSPR) in Nepal” published in souvenir of RBB, has concluded that Nepalese financial sector is being strengthened under the financial processes within the financial reform programs has succeed to place the private sector rather than the government in charge of determining who gets credit and at what price. The FSPR has also been able to establish the system of prudential regulation and supervision design to restrain the private actor so that we can reasonably sure that their decisions will also be broadly in the general social interest . Many Acts are being promulgated to obtain and maintain a strong legal environment required for the system . It is also equally and important that the enforcement aspect in all respects plays a vital role, which is continuously improving .Within this reform program the two largest commercial banks NBL and are being restructured, institutional building program are being lunched , greater autonomy and responsibility have been provided to the central bank , entry and exit norms are

being prepared laws are being prepared, laws are being prepared for the banking sector . These all are being positive aspects to boost up the system . It has been widely recognized that less government involvement in the financial sector, a strong central bank, a strong banking environment, adequate banking services to the poor, adequate legal frame work and enforcement of law are six basic pillars for the development of the healthy financial architecture. The government has lunched this program to eliminate financial problems. Expect some aspects, the progress made within the FSRP seems are satisfactory.

Panthi (2061), “The importance of human resource management”, highlights that the human resources management always plays key role in a commercial bank like RBB where the banking services are only made by human skills . If the size of the employs is suitable and skillful, the optimum objectives of bank will be nearer to achievement . The objectives of the profitability and the liquidity of the bank be fulfilled if and only if its human resources are perfect in and suitable in quality. So, the selecting process of human resources should go through the straight way of identifying workforce requirements, Recruiting-selecting-Placement-Promotion-Appraising-Training and Retirement .

### 2.9.3 REVIEW OF THE PREVIOUS THESES

Dilip Roy (2003) conducted the study entitled. "An Investment Analysis of Rastriya Banijya Bank in comparison with Nepal Bank Ltd." and submitted to Shanker Dev Campus in partial fulfillment of the requirement of Degree of Master in Business Studies.

The basic objectives of this study are:

- ) To evaluate investments of Rastriya Banijya Bank and compare it with investments of NBL and industrial average.
- ) To evaluate liquidity, activity and profitability ratios of RBB in comparison with NBL and industry average.
- ) To examine the loan loss provision of RBI3 and NBL.

The study concludes that:

- ) RBB has good deposit collection, enough loan and advance and small investment in government securities.
- ) RBB has comparatively better position regarding issues of loan and advance but it does not have good position regarding investment in securities of other company off-balance sheet operation. Loan loss ratio states low quality of loan and advance.
- ) RBB needs to take initiative steps immediately in managing its assets for its existence in this competitive market.
- ) Though interest earning out of operating income of R1313 is highest. The difference between interest earned to total working fund ratio and interest paid to total working fund ratio and interest paid to total working fund ratio of RBB is least. Thus profitability position of RBB is worst.
- ) RBB's fund collection and mobilization is satisfactory in comparison with other. RBB has poor loan and advance issued. Also RBB has high loan-loss provision and operating cost.

- ) RBB and NBL do not have significant relationship between outside assets and net profit. Meanwhile industry has significant relationship between outside assets and net profit.

The study recommended that:

- ) RBB should enhance its investment in securities.
- ) RBB should seek true entrepreneurs and sectors to invest its limited funds of valuable depositors.
- ) RBB should enhance its off-balance sheet operation, remittance and other fee-based activities to increase its earnings.
- ) RBB should seek true entrepreneurs and sectors to invest its limited funds of valuable depositors.

Sachin Jung Rayarnajhi (2004). Conducted the study “Profitability of NB Bank with comparison to other JV Banks” and submitted to Shanker Dev Campus in partial fulfillment of the requirement of Degree of Master in Business Studies.

The main objectives of the study are:

- ) To find out the profitability position of the JV banks and to disseminate quality information.
- ) To analyze the profit trend of JV Banks.
- ) To investigate the profit trend of NB Bank.
- ) To ascertain the comparative position of profitability of NB Bank with respect to other JV Banks.

The study recommends that:

- ) NB Bank Ltd. has always been at the top in cost of deposits. The high cost of deposits not only incurs additional interest expenses but have other indirect effects. The banks in order to make a return have to set interest rate on loan and advances at a higher level than the market. So, the risk of potential NPA's at a future is high.
- ) Interest payout ratio of NB bank is at 65%. The highest of the lot. In layman's terms it means that for interest income of Rs. 1 00 the interest expense is Rs. 65, thus the contribution of profit is only Rs. 35 while that of industry is Rs. 50. So the bank should look to maximize this ratio preferably by obtaining low cost funds.
- ) Credit deposit ratio of the bank stands at 85% in the year 2058/59. Although this is good from the profitability aspect. There could be potential problems of Liquidity. So, the bank should look at lower this ratio either by increasing deposits or lowering credits.
- ) The net profits of NB Bank had registered significant growth in the early years posting increases upto 85%. However. EBL has followed slow and steady growth patterns, which seems to have paid off. So rather than looking to achieve rapid growth it would be feasible to look to achieve and sustain steady rates of growth. Thereby minimizing the risk of volatile environment.
- ) The correlation coefficient of profit of NB Bank and the average is mere 0.40. Although it means that both move in the same direction, the degree of coordination is not that high. So. if the industry performs really well. NB Bank too will be able to perform well but only to a limited extent. Thus, it is advisable to look for ways to increase the correlation with the industry so as to protect itself from industry risks.
- ) The risk inherent in the loans and advances is high. So, the complete dependence on the interest income is not an appropriate strategy. The contribution of interest income to total income in year 2058/59 is 76.35% while the rest contribute only one fourth. So, the bank should look to increase the fee-based income as it provides safe and good returns.

Prem Krishna Shrestha (2004). Completed the study Profitability Analysis of Standard Chartered Bank Nepal Ltd. and NABIL Bank Ltd.' and submitted to Shanker Dev Campus in partial fulfillment of the requirement of Degree of Master in Business Studies.

The main objectives of the study are:

- ) To evaluate the soundness of profitability and operating efficiency of SCBNL and NABIL Bank Ltd.
- ) To compare and analyze fund base interest income with fee based income of SCBNL in comparison to NABIL Bank Ltd.
- ) To compare the cost of deposits of the two banks in regards with the profitability.

The study recommends that:

- ) The NABIL Bank has not adopted any cost management strategy to have control over its cost of funding. NABIL has paid very higher interest to deposits and other working funds than SCBNL. The cost management strategy would be ideal to reduce the various costs and increase the profitability.
- ) The bank should follow the strict investment policy to avoid the non-performing assets. It should increase investment in the government securities to trade off and stabilize the quality investment in commercial LDO.
- ) The fee-based activities of bank are found to be very profitable and important now a day in banking business. These are commission, discounts and fees. They yield higher return to a bank. NABIL Bank is not in the better position regarding the proportion of fee-based activities to loan and advances. It is recommended to enhance the off-balance operation, as it is very profitable and immediately realizable.

- ) The earning per share and dividend per share attracts the investors. The bank is also not generating sufficient return from the equity. So, higher cash dividend strategy should be adopted for the better growth of shareholders' worth, NABIL Bank should increase its cash dividend.
- ) An emphasis should be given on planning, research and development for the proper planning and controlling purpose. Proper and regular internal audit system can help the management in regards the cost control strategy and avoid unnecessary leakage in the expenses.

Noora Shrestha (2005). completed the study entitled "A Comparative Study of the Financial Performance of Nepal Bank Ltd. and Rastriya Banijya Bank" and submitted to Shanker Dcv Campus in partial fulfillment of the requirement of Degree of Master in Business Studies.

The main objectives of the studs' are:

- ) To analyze and to evaluate the financial performance of NBL and RBB.
- ) To examine the current financial problems in NBL and RBB.
- ) To analyze financial performance indicators.
- ) To evaluate the financial performance of each bank.
- ) To analyze the comparative financial position of these two banks.
- ) To highlight reform program in NBL and RBB.

The study concludes that the largest commercial bank in Nepal. RBB and NBL, have potentially important role to play in the economy to enhance the healthy competition. The political intervention, weak management, poor financial information system and ever-growing bad loans have tremendously impacted on financial health of these banks in the past. Recent auditing work revel a high negative net worth, weak internal control and information system and poor internal financial management. Thus it is advised to employ technical support to assist in developing a strategic plan

for the implementation, such as, downsizing privatization, splitting merger, acquisition, etc. In same way, technical support has been expected to implement any strengthening work identified h the reform proposal. The present ownership structure of NBL and RBB will be gradually changing their privatization and entry of new reputed, fit and proper private sector banks and financial institutions.

The study recommended that:

The major problem is seen in loan recovery department of both the banks, due to which the banks are facing loss in the study period. Thus the department should introduce new methods of recovery of loans than those of routine methods. On the contrary, the departments that provide loans should also be careful and must do enough feasibility study before providing loans. Thus it is advised to employ technical support to assist in developing a strategic plan for the implementation, such as downsizing privatization splitting merger, acquisition etc. In same way, technical support has been expected to implement any strengthening work identified h the reform proposal. The present ownership structure of NBL and RBB will be gradually changing their privatization and entry of new reputed fit and proper private sector banks and financial institutions.

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- ) Both the banks have high level of negative net worth. So a capital plan needs to be worked out and the shareholders of these banks need to inject the capital to the level required by' the regulatory authority.
- ) The influence of government and political situation in banking sector affects the overall activities of the banks. So government must be aware of this fact and policy must be development to improve the current situation of NBL and RBB.

- ) Since the RBB is not maintaining the adequate liquidity position. the bank is suggested to increase its current assets.
- ) It is suggested to RBB to improve the efficiency in utilizing the deposits in loan and advances for generating the profits.
- ) Profitability position of NBL is comparatively better than the same of RBB. So RBB is recommended to utilize its resources more efficiently for generating more profit margins.
- ) The bank should introduce major programs that the customers demand these days such as consumer banking, home loans, study loan, vehicle loans, credit card facilities, online banking, ATM cards etc. These facilities are provided h' the foreign and joint venture banks which make RBB and NBI to lag behind.
- ) The staff of the banks must be empowered by providing training and knowledge about the bank so that customer will go better services.
- ) Both the banks need to capture all the functional areas of the bank in restructuring process.
- ) The banks should not distribute the bonus. Unless and until the bank eliminates its negative capital from the balance sheet. It is not prudent to distribute profits after capitalizing the losses.

Gokul Bahadur Saud (2006). Undertook a study entitled "Study of Financial Performance of Selected Commercial Banks in Nepal (HBL, NB and EBL). and submitted to Shanker Dev Campus in partial fulfillment of the requirement of Degree of Master in Business Studies.

The main objectives of the study are:

- ) To analyze financial performance through the use of appropriate financial tools.
- ) To evaluate the trends and growth of loan, investment and total deposit patterns of these banks.

- ) Based on your proper analysis and diagnosis is recommend suggestion for the improvement of the financial performance of these three banks.
- ) To highlight the financial performance of NB, HBL and EBL.

The study concludes that:

- ) Due to lower liquidity position and highly leveraged capital structure, lower liquidity position is profitable as well as more risky.
- ) In case of earning capacity and utilization of profit:
  - HBL has performed better in terms of absolute net profit during the study period.
  - All of these three sample banks are hale to earn above 10% return on total assets and to mobilize deposit properly.
- ) In case of dividend all sample banks are not able to pay regular dividend to its stockholders. However they are maintaining its EPS above its par value.
- ) Regarding earning per share all of the sample banks are not able to retain its EPS on its previous level. The researcher concludes that during the study period trend line shows the decreasing pattern of net income after tax.
- ) The management can increase the owner's capital base to increase the return and value of the firm.

Rajya Laxmi Khadgi(2006), conducted the study on "Investment Policy Analysis of NABIL Bank Ltd.' and submitted to Shanker Dev Campus in partial fulfillment of the requirement of Degree of Master in Business Studies.

The main objectives of the study are:

- ) To study the resource mobilization and investment policy of NAB IL Rank.
- ) To find out the relationship between deposit and investment trends of the bank.
- ) To evaluate profitability, risk, liquidity and assets management of the bank.
- ) To find out the current and future investing strategy of NABIL Bank.
- ) To provide suggestions to improve investment policy and performance of NABIL Bank based on the findings of the study.

The study concluded that:

- ) The current ratio of the bank over five years is 0.90 times on an average during the study period. Although the current ratio 2:1 is considered as standard, acceptability of the value depends upon the industry. For the banks, a current ratio of 1: 1 or above would be considered acceptable. Therefore the liquidity position of NABIL bank is below the normal level.
- ) The return on assets ratios has a fluctuating trend with mean ratio of 2.02% on an average. The C.V. of 32.67% shows that the ratio seems inconsistent and variable during the study period.
- ) The return on loan and advances ratios is in increasing trend with the mean value of 4.34% in an average. The ratio seems to be less variable and consistent.
- ) The interest earned to total assets ratios is in decreasing with mean of 6.47% in an average. The ratio during the studs' period seems to be consistent and less variable.
- ) The interest earned to total outside assets ratio of found to be 8.37% in an average during the study period. The C.V. of 23.17% indicates that the ratios are consistent. The analysis shows that the NABIL Bank has average 8.37% income margin from outside assets. If the margin is higher than cost of fund. will be on profit.

- ) The interest paid to working fund ratios is in decreasing trend with 2.54% in an average during the study period. The ratio seems to be consistent and less variable.

The study recommends that:

- ) Current ratio shows the banks ability to meet the current obligations. Generally 2:1 is considered as the standard current ratio hut for the banks and financial institutions. 1:1 is considered as the standard current ratio. The current ratio of NABIL Bank seems to be less than 1. So it is suggested to increase the bank's current ratio as soon as possible as it could impose had impact on depositors. Once the depositors confidence is lost, it hard to bring it back.
- ) The mean credit deposits ratio of NABIL Rank during the study period is 54.72% which seems to be lesser than the standard ratio. The 70% of CD ratio is considered as standard ratio, so it suggestion than NABIL should increase the CD ratio.
- ) The mean of loan and advances to working fund ratio is only 46.4 1% which shows that NABIL Bank is not efficient using its working funs. So it is suggested to lend more in the productive sectors to get income from the working fund.
- ) The bank has very nominal investment on shares and debentures of other companies. The mean investment is 0.1 2% during the study period. Banks may invest in shares and securities of any one organized institution not exceeding 10% of the paid up capital of such organized institution. Any amount of investment made in excess of this limit, for the purpose of calculation of the capital fund shall be deducted from the core capital fund. So NABIL Bank is suggested to invest more amount in shares and debentures of other companies so it can get either dividend from the existing shares and capital gain after selling those shares and debentures in capital market after holding for some time.
- ) The growth rate of the deposits is very low, so it is suggested to attract depositors through variety of deposit schemes and facilities like cumulative

deposit scheme prize hongs scheme gift cheques scheme, recurring deposit scheme, monthly interest scheme etc.

- ) The trend of investment of NABIL Bank is increasing in satisfactory level. NABIL Bank is recommended to keep wide vision in investment while utilizing their resources and invest in different areas.

Shiva Raj Sapkota(2007), completed the study Profitability Benchmarking of NB Bank” and submitted to Shanker Dev Campus in partial fulfillment of the requirement of Degree of Master in Business Studies.

The main objectives of the study are:

- ) To examine the profitability situation of the JV bank industry as a whole and sample banks.
- ) To analyze the profitability trend NB Bank and the JV bank industry over the last five years.
- ) To ascertain the comparative position of profitability of NB Bank with respect to other JV Banks.

The study’ concludes that:

It is identified from the analysis that NB Bank is performing not well below of the industry standard hut also has least performance among all players in the JV Bank industry in Nepal. In conclusion, NB Bank’s past and present earning generating potential is assessed as low in many parameters of profitability in comparison to the industry as well as other joint venture banks in the country.

The study recommends that:

- ) A serious effort has to be made towards the NPA management. The assets quality’ is the most serious issue in the organization and the sincere effort of

the management is to be concentrated in the matter if the bank is to sustain and performs well in the forthcoming days.

- ) The increasing NPA indicates that the bank seems to be lacking in the conduct of detailed and proper credit appraisal and monitoring process. The bank before extending the facilities needs to make detailed analysis about various aspects like feasibility of the party, creditworthiness of the client, collateral offered and previous performances.
- ) The risk inherent in the loans and advances is high. So, the complete dependence on the interest income is not an appropriate strategy. The contribution of interest income to total income in year 2062/63 is 78.59% while the rest contribute only 21.4%. So, the bank should look to increase the fee-based income as it provides safe and good returns.
- ) NB Bank Ltd. has always been at the top in cost of deposits. The high cost of deposits not only incurs additional interest expenses but have other indirect effects. The banks in order to make a return have to set interest rate on loans and advances at a higher level than the market. So, the risk of potential NPAs at a future date is high.
- ) Interest payout ratio refers to the proportion of interest expenses to the interest income. Higher the ratio, lower is the profitability. The interest payout ratio of NB Bank is at 68.34%, the highest of the lot. Therefore the bank should look to minimize this ratio preferably by obtaining low cost funds.
- ) The credit deposit ratio of the bank stands at 75% in the year 2062/63. Although this is good from the profitability aspect, there could be potential problems of liquidity. So, the bank should look to lower this ratio either by increasing deposits or lowering credits.
- ) The net profit of the NB Bank had registered significant growth in the early years posting increases up to 8.6% in the first two years. However, in the previous three years, it decreases sharply. All other banks have followed slow and steady growth pattern, which seems to have paid off so, rather than looking to achieve rapid growth it would be feasible to look to achieve and sustain steady rates of growth, thereby minimizing the risk of volatile environment.

## **2.10. RESEARCH GAP**

Lots of study has been conducted to analyze the profitability position of the commercial banks. But the main theme of this research is to analyze the profitability position and operating financial efficiency of Rastriya Banijya Bank and Nepal Bank Ltd. Recent data and information of both the banks have been used in this study. This research covers the first five years period of the hanks operation after the implementation of the FSRP and clarifies the improvement operating under FSRP.

This study differs itself from others research by specially focusing on the profitability of Rastriya Banijya Bank and Nepal Bank Ltd. and covers the period of F.Y. 2059/60 to 2063/64. This research therefore will facilitate readers to identify the profitability position and operating financial efficiency of Rastriya Banijya Bank and Nepal Bank Ltd. which will help to evaluate past and present performance of both the banks as well as it will help to project future prospect of both the banks.

## **RESEARCH METHODOLOGY**

### **3.1 RESEARCH DESIGN**

The main objective of the study is to analyze the profitability of the Nepal Bank Ltd and Rastriya Banijya Bank. In this context, some recent financial tools along with statistical tools were applied to examine the relevant facts. The study depended on the secondary data. It included all the process of collecting, verifying and evaluating of past evidence systematically and objectively to reach the final conclusion. The study was designed as to give a clear picture of the bank's profitability with the help of available data and with some useful suggestion and recommendation.

### **3.2 SOURCE OF DATA**

This study was conducted on the basis of secondary data. The data required for the analysis were directly obtained from the balance sheet and profit and loss account of the concerned bank's annual reports. Likewise newspapers, journals, periodicals, magazines, reports and unpublished thesis were taken as other sources of data during the study.

According to the need and objective, all the secondary data were compiled. Processed and tabulate in the time series in order to judge the reliability of data provided by the banks and other sources. Formal and informal talks to the concern head of department of the banks were also conducted to obtain the additional information of the related problem.

### **3.3 POPULATION AND SAMPLE**

There are altogether 26 commercial banks functioning all over Nepal and most of their stocks are listed in the stock market and Nepal Bank Ltd. and Rastriya Banijya Bank, were selected from the total population.

The total population is as follows.

S.No	Names	Operation Date(A.D.)	Head office
1.	Nepal Bank Limited	1937.11.15	Kathmandu
2.	Rastria Banijya Bank	1966.01.23	Kathmandu
3.	Agriculture Development Bank Ltd.	1968.01.02	Kathmandu
4.	NABIL Bank Limited	1984.07.16	Kathmandu
5.	Nepal Investment Bank Limited	1986.02.27	Kathmandu
6.	Standard Chartered Bank Nepal Limited	1987.01.30	Kathmandu
7.	Himalayan Bank Limited	1993.01.18	Kathmandu
8.	Nepal SBI Bank Limited	1993.07.07	Kathmandu
9.	Nepal Bangladesh Bank Limited	1993.06.05	Kathmandu
10.	Everest Bank Limited	1994.10.18	Kathmandu
11.	Bank of Kathmandu Limited	1995.03.12	Kathmandu
12.	Bank of Kathmandu Limited	1996.10.14	Rupendehi
13.	Lumbini Bank Limited	1998.07.17	Chitwan
14.	Nepal Industrial & Commercial Bank Limited	1998.07.21	Morang
15.	Machhapuchhre Bank Limited	2000.10.03	Pokhara
16.	Kumari Bank Limited	2001.04.03	Kathmandu
17.	Laxmi Bank Limited	2003.04.03	Birgunj
18.	Godwill Bank Limited		Kathmandu
19.	Siddhartha Bank Limited	2002.12.24	Kathmandu
20.	Global Bank Limited	2007.01.02	Kathmandu
21.	Citizen Bank International Limited	2007.06.21	Kathmandu
22.	Prime Bank Limited	2007.09.24	Kathmandu
23.	Sunrise Bank Limited	2007.10.12	Kathmandu
24.	NMB Bank Limited		Kathmandu
25.	Bank of Asia Nepal Limited	2007.10.12	Kathmandu
26.	Krist Bank Limited	2059.11.9 (B.S)	Kathmandu

### **3.4 DATA PROCESSING**

After the collection of data from different sources, the collected data were compiled in an appropriate form. Required facts were selected and analyzed and then they were presented in the form of table and chart. The data were analyzed on yearly basis according to the information gathered.

### **3.5 METHOD OF DATA PRESENTATION AND ANALYSIS**

The data presentation and analysis were focal part of the study. Ranges of financial and statistical tools were used to analyze the collected data and to achieve the objective of the study. The analysis of the data were done according to the pattern of data available. Because of limited time and resources, simple analytical statistical tools such as graphs and technique of least square were adopted in this study. In the same way, some strong financial tools, ratio analysis and trend analysis, were used in the study. The data extracted from annual report. Financial statement and other available information were processed and tabulated in various tables and charts under different headings according to the nature.

### **3.6 ANALYSIS OF DATA**

In this study, various financial statistical tools were used to achieve the objective to study. The analysis of data was done according to the pattern of data available. The various tools applied in this study, are as follows:

#### **3.6.1 Financial tools**

Financial tools were used to examine the financial strength and weakness of bank. Financial statements such as balance sheet and profit and loss account can be analyzed to assess the financial health of the bank. In this study, financial tools like ratio analysis were used.

#### **3.6.2 Ratio Analysis**

Financial ratio is the mathematical relationship between two accounting figures. Ratio analysis is a part of the whole process of analysis of financial statements of any business or industrial concern especially to take output and credit decisions. Thus ratio analysis is used to compare the firm's financial performance and status to that

of other firm's or to itself over time. The qualitative judgment regarding financial performance of a firm can be done with the help of ratio analysis.

Even though, there are many ratios used in various studies to evaluate different aspects of a business entity. The ratios are of different importance and used differently in various industry base. For example, it is no significant to analyze the quick ratio or current ratio in the context of commercial banks. Further, in the context of commercial banks the insider and outsider fund base cannot be interpreted as per the standard of production units since financial institution are, by virtue, highly levered outsider's fund.

Similarly, in the banking industry, there is no significance to say deposits are current liabilities, or some of the studies have considered time deposits as fixed liabilities. Both of the interpretations are not viable since these liabilities should be considered as per their maturity schedules. In this study, various ratios from newly developed empirical studies have been used just to see the profitability position of commercial banks. This study contents the following ratios.

### **3.6.3 Profitability Ratios**

Profitability ratios are used to measure the efficiency of operation of a firm in terms of profit. It is the indicator of the financial performance of any institution. This implies that higher the profitability ratio, better the financial performance of bank and vice versa.

The profitability of Nepal Bank Ltd. and Rastriya Banijya Bank is evaluated through following different ratios:

1. Net Profit Margin
2. Return on Total Assets (ROTA)
3. Return on Equity (ROE)
4. Return on Capital Employed (ROCE)
5. Operating Efficiency ratio

6. Net Interest Margin
7. Interest Payout Ratio
8. Net Operating Margin

#### **4.6.4 Income Expenses Analysis**

1. Interest Income to Total Income
2. Fee and Commission Income to Total Income
3. Foreign Exchange Income to Total Income
4. Interest Expenses to Total Operating Expenses
5. Staff Expenses to Total Operating Expenses
6. Office Operating Expenses to Total Expenses

#### **3.6.5 Statistical Tools**

Trend analysis is one of the statistical tools used for forecasts. Among various methods of trend analysis, a very popular least square method has been used in this study which has been used to analyze the trend of net profit and interest income of Nepal Bank Ltd. and Rastriya Banijya Bank and make the forecast for the next five years period

## CHAPTER - IV

### PRESENTATION AND ANALYSIS OF DATA

#### 4.1 PROFITABILITY RATIO

The ultimate objective of banks is to earn profit. Strictly speaking. No bank can survive without profit. Profit is the indicator of efficient of bank. The bank acquires profit by providing different services to its customers of by making investment of different kinds.

Sufficient profit is a must to have good liquidity, grab investment opportunities, expand banking transaction, finance government in need of development fund, overcome the future contingencies and meet fixed internal obligation for the bank. Profitability ratios measure the efficiency of a bank. The following profitability ratios were used to evaluate the profitability of the selected commercial bank.

##### 1) Net Profit Margin

The ratio signifies the effectiveness of expenses management and cost control and gives the direction to the management for service pricing policies. It means how much of total revenue has been declared as net profit all the charges are over up. The higher ratio means the management has been able to control its operational costs and maintain efficiency.

$$\text{Net Profit Margin} = \frac{\text{Net Profit After Tax}}{\text{Total Operating Income}}$$

Note: denominator part did not include non-operating income.

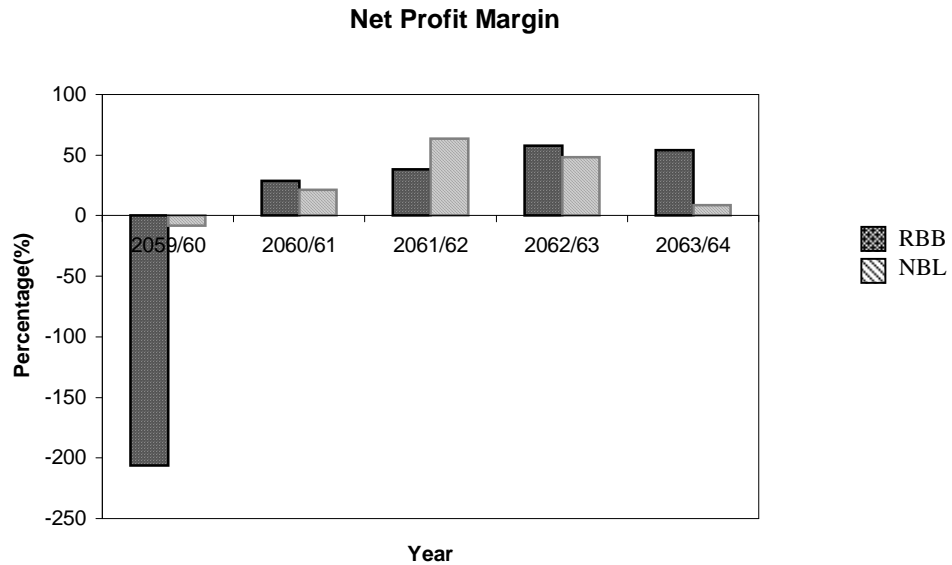
Table 4.1

#### Net Profit Margin

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
RBB	-206.13	28.75	38.17	57.76	54.30	-5.43
NBL	-8.44	21.28	63.65	48.51	8.89	26.78

*(Source: Annexure III)*

Chart 4.1



The table exhibits that both the banks' net profit ratios were not in consistency. The ratio of RBB was highest of 57.76% the FY 2062/63 where as the bank suffered heavy losses in the FY 2059/60. Similarly the ratio of NBL was highest of 63.65% in the FY 2061/62 at but suffered heavy losses in the FY 2059/60. The table shows that although the banks were recovering from the heavy loss. The net profits generated by the banks were not consistent.

**2) Return on Total Assets (ROTA)**

The ratio is a primary indicator of managerial efficiency. It indicates how efficiently the bank utilized the assets. The ratio measures how far the management has utilized all the assets of the bank for profit generating activities. Higher ROTA indicates higher efficiency in the utilization of the total assets and vice versa.

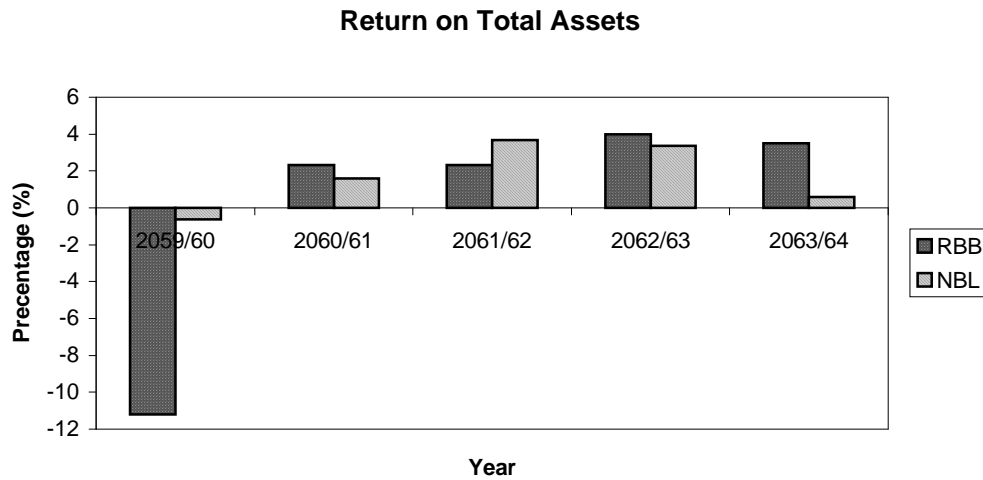
$$\text{Return of Total Assets} = \frac{\text{Net Profit After Tax}}{\text{Total Assets}}$$

Table 4.2  
**Return on Total Assets (%)**

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
RBB	-11.21	2.31	2.33	3.99	3.51	0.19
NBL	-0.63	1.61	3.68	3.36	0.58	1.72

(Source: Annexure IV)

Chart 4.2



The above table exhibits that the ratio of RBB ranged between -11.21% in the FY 2059/60 to 3.51% in the FY 2063/64). Whereas, the ratio of NBL ranged from -0.63% in the FY 2059/60 to 3.68% in the FY 2061/62. This showed that both the banks could gradually recover from loss in the past years and has been improving its efficiency.

### 3) Return of Equity (ROE)

Equity refers to the owners' claim of a bank. The excess amount of total asset over outsiders' liabilities is known as shareholders' equity. It is also known as net worth. This ratio measures how prudently the management has employed shareholders' funds keeping the interest of shareholders and maximizing their net worth. It is the measurement of the rate of return available to the bank's shareholders. The ratio provides the rate of return available to the bank's shareholders. The ratio provides the company to deliver a good return on equity. This ratio is calculated by dividing net profit by total equity capital.

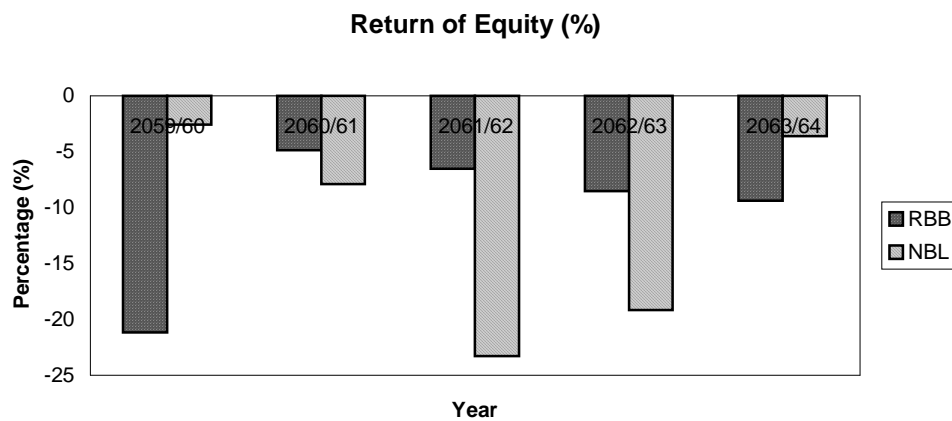
$$\text{Return of Equity} = \frac{\text{Net Profit After Tax}}{\text{Shareholders' Equity}}$$

Table 4.3  
**Return of Equity (%)**

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
RBB	-21.16	-4.85	-6.55	-8.50	-9.40	-10.18
NBL	-2.56	-7.87	-23.30	-19.16	-3.63	-11.30

(Source: Annexure V)

Chart 4.3



The above table shows that the return on equity of both RBB and NBL is negative through out the five fiscal years. The negative ROE is due to the high amount of negative reserve maintained by both the banks.

**4) Return on Capital Employed (ROCE)**

The ratio measures management efficiency on how well the total fund including external funds was used were used to generate profit. This ratio provides a test of profitability in relation to long-term fund. Higher ROCE implies more efficiency in utilizing the capital employed.

The external fund comprises total of borrowings, depositors and other external liabilities:

$$\text{Return on Capital Employed} = \frac{\text{Net Profit After Tax}}{\text{Total External Capital}}$$

Table 4.4

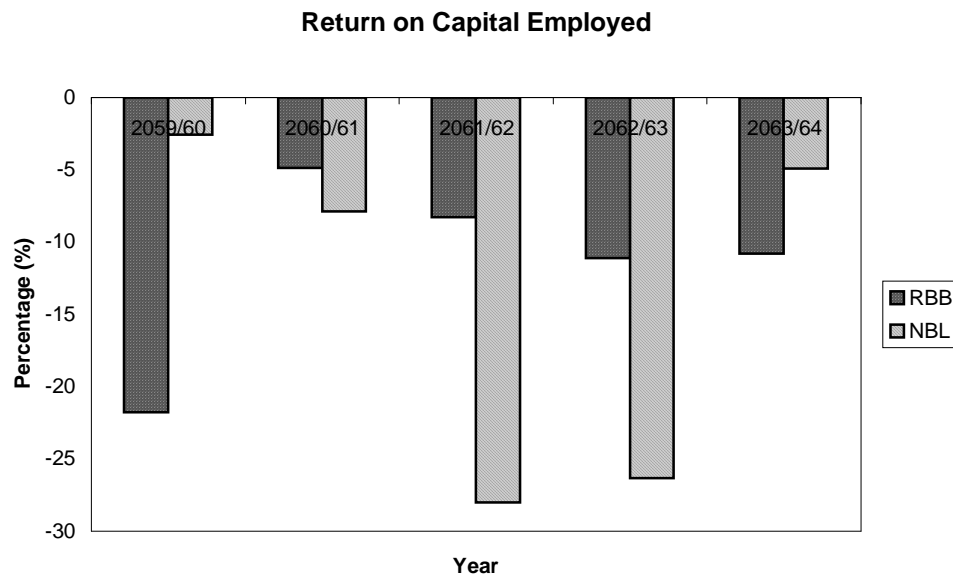
**Return on Capital Employed (%)**

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
RBB	-21.77	-4.87	-8.27	-11.09	-10.79	-11.36

NBL	-2.58	-7.89	-27.99	-26.33	-4.89	-13.94
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(Source: Annexure VI)

Chart 4.4



The above table shows that the return on capital employed of RBB and NBL were negative throughout the five fiscal years. The negative RCE was due to the heavy loss suffered by the bank in the past year.

**5) Operating Efficiency Ratio**

To maximize profitability and the value of the shareholders investments in the bank, bank management must maintain efficiency in their operations. This usually means reducing their operating expenses and increasing the productivity of their employees. Since banks are to pay huge amount of the interest costs for their funds, they like to reduce non-interest costs especially, staff costs, wages and overhead costs. Lower the ratio means greater the success of management.

$$\text{Operating Efficiency Ratio} = \frac{\text{Total Operating Expenses}}{\text{Total Operating Income}}$$

Table 4.5

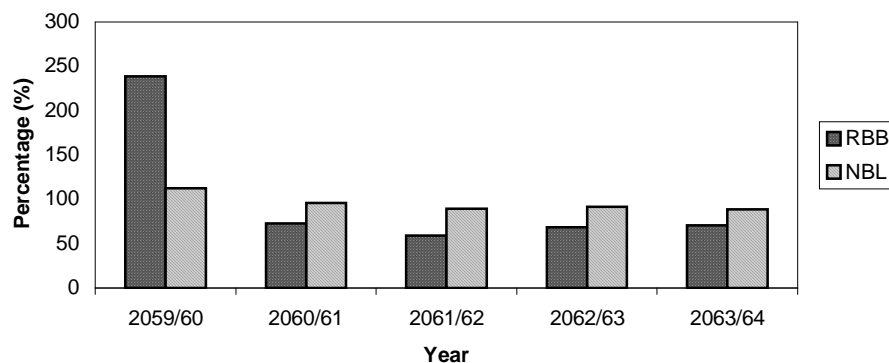
### Operating Efficiency ratio (%)

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
<b>RBB</b>	238.8	72.72	59.15	68.36	70.54	101.86
<b>NBL</b>	112.32	95.68	89.59	91.24	89.03	95.57

(Source: Annexure VII)

Chart 4.5

#### Operating Efficiency Ratio



The above table shows that the ratio of RBB ranged from 59% in the FY 2061/62 to 238.54% in the FY 2059/60. Similarly, the ratio of NBL ranged from 89.03% in the FY 2063/64 to 112.32% in the FY 2059/60. Both the banks operating efficiency ratios were alarming indication of poor performance and management. But in comparison to the FY 2059/60 both the bands have been able to lower their ratio and improve their performance.

#### 6) Net Interest Margin

It signifies as a measurement of efficiency and profitability. How well management and staff have been able to keep the growth of revenue from LDO is comparison to the costs attached. The ratio express how large a spread between interest revenues and interest cost management has been able to achieved close control over the band's earning assets and pursuit of the lower cost of sources, as higher ratio is better in this case.

$$\text{Net Interest Margin} = \frac{\text{Interest Income} - \text{Interest Expenses}}{\text{Total Earning Assets}}$$

Denominator includes LDO, investments; inter banking borrowings, bill purchased, etc.

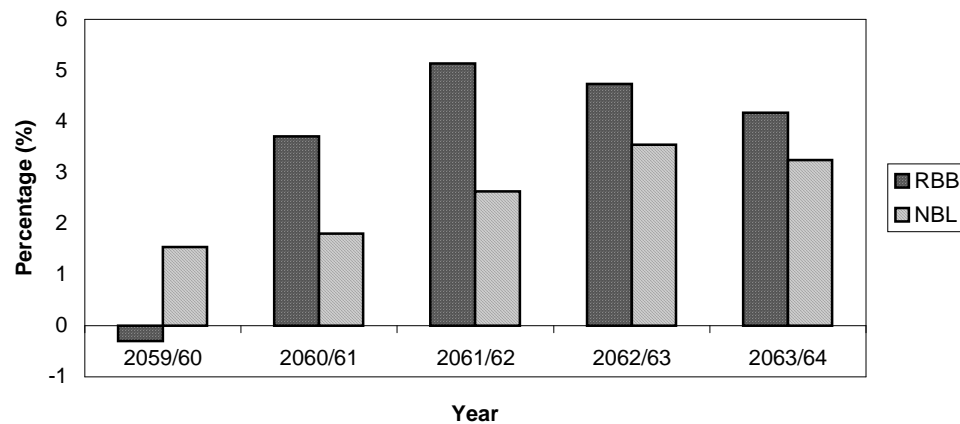
Table 4.6

**Net Interest margin (%)**

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
<b>RBB</b>	-0.30	3.71	5.14	4.74	4.17	3.49
<b>NBL</b>	1.54	1.81	2.63	3.55	3.24	2.55

**(Source: Annexure VIII)**

Chart 4.6

**Net Interest Margin**

The net interest margin of RBB remained within the range of -0.30% to 5.14%. Whereas, in NBL had it remained within the range of 1.54% to 3.55%. Both the bank, RBB and NBL, had very low net interest margin and the ratio is very inconsistent through out the study period.

**7) Interest Payout Ratio**

The main function of a bank is to collect deposit and advance loans. The bank pays interest on the deposits and charges interest on the loans and advances. It also realizes income from the investments and call deposits. Similarly, the bank has to pay interest on its borrowings. Thus, this ratio provides the proportion of interest payment of the bank as compared to the interest income generated by the bank.

$$\text{Interest Payout Ratio} = \frac{\text{Interest Expense}}{\text{Interest Income}}$$

Where,

Interest expense = Expenses on deposits and borrowings

Interest Income = Income on (loans and advances + investment + money at call  
+ inter bank lending etc.)

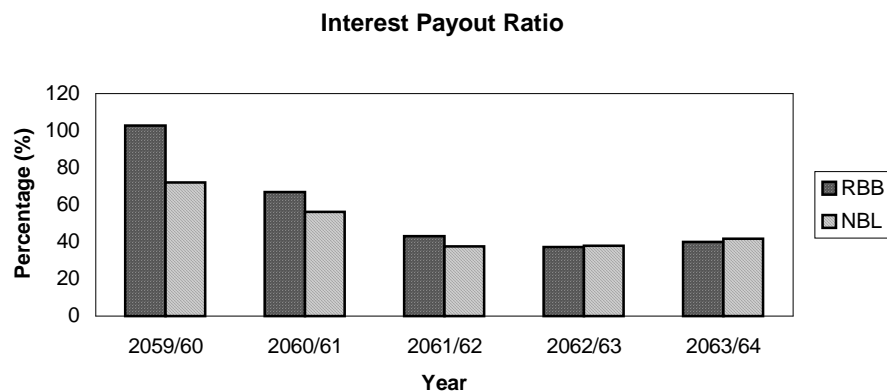
Table 4.7

**Interest Payout Ratio (%)**

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
<b>RBB</b>	102.78	66.86	43.15	37.23	40.01	58.01
<b>NBL</b>	72.09	56.16	37.64	37.77	41.81	49.09

(Source: Annexure IX)

Chart 5.7



The interest payout ratio of RBB remained within the range of 37.23% to 102.28%. Whereas in NBL it remained within the range of 37.77% to 72.09% both the banks, RBB and NBL, had very high payout ratio of 102.78% and 72.09% respectively. The main reason was due to high volume of NPAs and high cost deposits. Gradually in the recent year both the banks were able to maintain favorable interest payout ratio. In the FY 2062/63 the RBB had the payout ratio of 37.23% and in the FY 2061/62 NBL had the payout ratio of 37.64%, which was the lowest and most profitable through the study period.

### 8) Net Operating Margin

This is also to measure operating efficiency of commercial banks. The net operating margin of commercial banks signifies what portion of operating profit remains after deducting all operating costs. And the net operating margin is expressed with total earning assets to find out what percentage of net operating margin has contributed to total earning assets. Higher the margin, the better is the efficiency of the management.

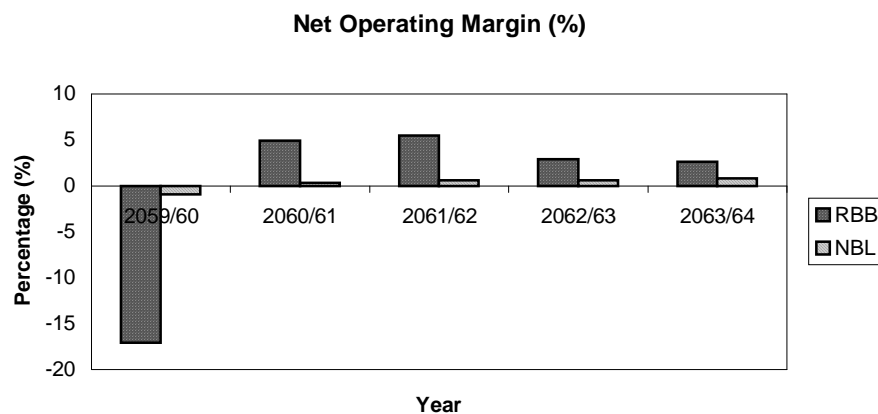
$$\text{Net Operating Margin} = \frac{\text{Total Operating Revenue} - \text{Total Operating Expenses}}{\text{Total Earning Assets}}$$

Table 4.8  
**Net Operating Margin (%)**

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
<b>RBB</b>	-17.10	4.94	5.49	2.87	2.59	-0.24
<b>NBL</b>	-0.92	0.33	0.60	0.61	0.84	0.29

(Source: Annexure X)

Chart 4.8



The above table exhibits that the ratio of RBB ranged from 2.59% in the FY 2063/64 to 5.49% in the FY 2061/62 except for the negative ratio in the FY 2059/60. Similarly, the ratio of NBL, ranged from 0.33% in the FY 2060/61 to 0.84% in the FY 2063/64 except for the negative ratio in the year 2059/60. The above table showed that although the bank had suffered the negative ratio in the FY 2059/60, both the banks were able to gradually improve its ratio. Even though the ratio of RBB was better than NBL, the ratio of RBB is very inconsistent in comparison to NBL. But the ratio of NBL was very low and need to improve.

## 4.2 INCOME EXPENSES ANALYSIS

### 1) Interest Income to Total Income

Total interest earned to total income ratio indicates the extend to which the bank has successfully mobilize its fund in interest earning asset. Interest earned to total income ratio measure the magnitude of interest income in total income. Generally,

banks earn interest through the provision of loans and advances, overdrafts and investments in securities. This ratio can be calculated as follows.

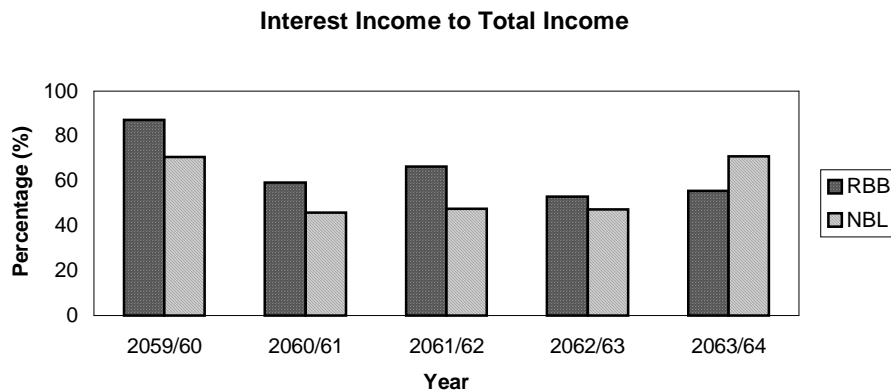
$$\text{Interest Income to Total Income} = \frac{\text{Total Interest Earned}}{\text{Total Income}}$$

Table 4.9  
Interest Income to Total Income

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
<b>RGB</b>	87.09	59.39	66.35	53.11	55.64	64.32
<b>NBL</b>	70.56	45.84	47.66	47.39	71.03	56.50

(Source: Annexure XI)

Chart 4.9



The above table exhibits that the interest income to total income ratio of RBB ranged between 55.64% in the FY 2063/64 to 87.09% in the FY 2059/60. Similarly, the ratio of NBL ranged from 45.84% in the FY 2060/61 to 71.03% in the FY 2063/64. This showed that both the bank were able to generate fair amount of interest income in its total income. The ratio of NBL had gradually improved from the FY 2060/61 to 2063/64, where as the ratio of RBB was inconsistent.

**2) Fee and Commission Income to Total Income**

The second measure source of income of the Nepalese commercial banks is fee income. Commercial banks now a days have moved towards the near banking agency services like under writings, counseling, various service charges, renewal fees and other consultancy functions. They have expose to non-funded fee based services like LC, guarantee, bills/clearing, safe deposit, credit card, ATM, etc. form these service banks earn fees and commission.

$$\text{Fee and Commission Income to Total Income} = \frac{\text{Fees and Commission}}{\text{Total Income}}$$

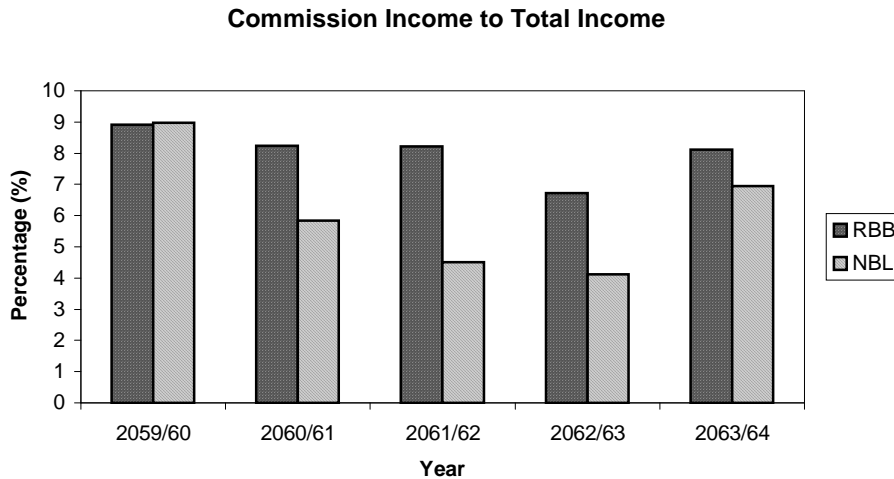
Table 4.10

**Fee and Commission Income to Total Income**

	<b>2059/60</b>	<b>2060/61</b>	<b>2061/62</b>	<b>2062/63</b>	<b>2063/64</b>	<b>Avg.</b>
<b>RGB</b>	8.92	8.23	8.21	6.72	8.12	8.04
<b>NBL</b>	8.98	5.83	4.51	4.12	6.95	6.08

(Source: Annexure XII)

Chart 4.10



The above table exhibits that the ratio of RBB ranged between 6.72% in the FY 2062/63 to 8.92% in the FY 2059/60. Similarly, the ratio of NBL ranged from 4.12% in the FY 2062/63 to 8.98% in the FY 2059/60. The ratio of RBB was better than NBL in each year except 2059/60.

### 3) Foreign Exchange Income to Total Income

Commercial banks facilitate foreign trade through letter of credits. The incoming and outgoing foreign exchanges in remittances, purchase and sales of foreign bills and other activities induce commercial banks to deal with foreign currencies. Such trade on various foreign currencies result gain or loss to the banks. Further, the position of stock of currency is affected by the exchange rate revaluated time to time. In this way, foreign exchange income comprised two types of income: Trading Gain and Revaluation Gain.

$$\text{Foreign Exchange Income to Total Income} = \frac{\text{Total Foreign Exchange Income}}{\text{Total Income}}$$

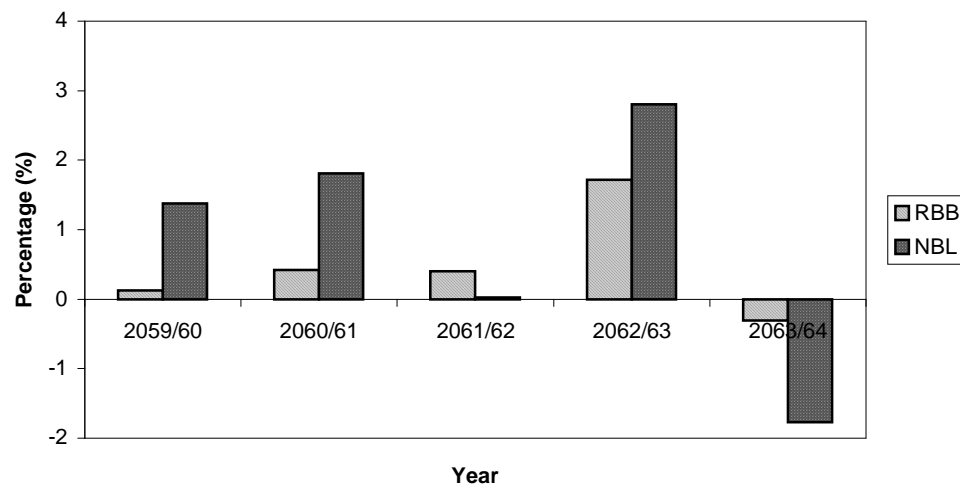
Table 4.11

**Foreign Exchange Income to Total Income (%)**

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
<b>RBB</b>	0.13	0.42	0.40	1.72	-0.31	0.47
<b>NBL</b>	1.38	1.81	0.02	2.80	-1.77	0.85

(Source: Annexure XIII)

Chart 4.11

**Foreign Exchange Income to Total Income**

The above table shows that both the banks had suffered loss in the recent year i.e. in the FY 2063/64, both the bank, RBB and NBL, had the ratio of 1.72% and 2.80% respectively, which is the highest of the individual bank.

**12) Interest Expenses to Total Operating Expenses**

The major expenses head of commercial banks is the interest expenses. Interest expenses occur on various deposits, inter bank borrowers, borrowing from NRB and from other foreign banks. Since deposits are the raw materials inputs for the banks to produce loans, banks management should be able to screen up the various deposits, obtain an economic deposit mix and minimize the cost of deposit so that a higher spread gap remains to contribute in the profitability. In fact, the lower the cost of deposits, the higher the profitability margin and vice versa.

Interest Expenses to Total Operating Expenses =

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Interest Expenses

Total Operating Expenses before provision and Tax

Table 4.12

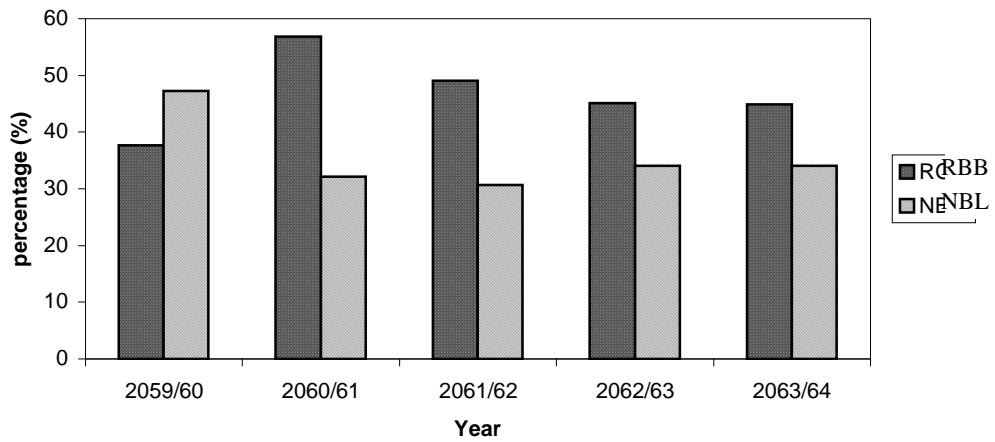
**Interest Expenses to Total Operating Expenses (%)**

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
<b>RBB</b>	37.64	56.82	49.02	45.12	44.86	46.69
<b>NBL</b>	47.29	32.11	30.72	34.10	34.01	35.65

(Source: Annexure XIV)

Chart 4.12

**Interest Expenses to Total Operating Expenses**



The above table exhibits that the ratio of RBB ranged from 37.64% in the FY 2059/60 to 56.82 in the FY 2060/61. Similarly the ratio of NBL ranged from 30.72% in the FY 2061/62 to 47.29% in the FY 2059/60.

### 13) Staff Expenses to Total Operating Expenses

One of the major expenses of bank's administration and operation is staff expenses. Staff expenses comprises of salary, allowances, provident fund and other incentives. In average, the staff expenses comprises share in total operating expenses is more than 15% of average Nepalese commercial banks.

$$\text{Staff Expenses to Total Operating Expenses} = \frac{\text{Staff Expenses}}{\text{Total Operating Expenses before Provision \& Tax}}$$

Table 4.13

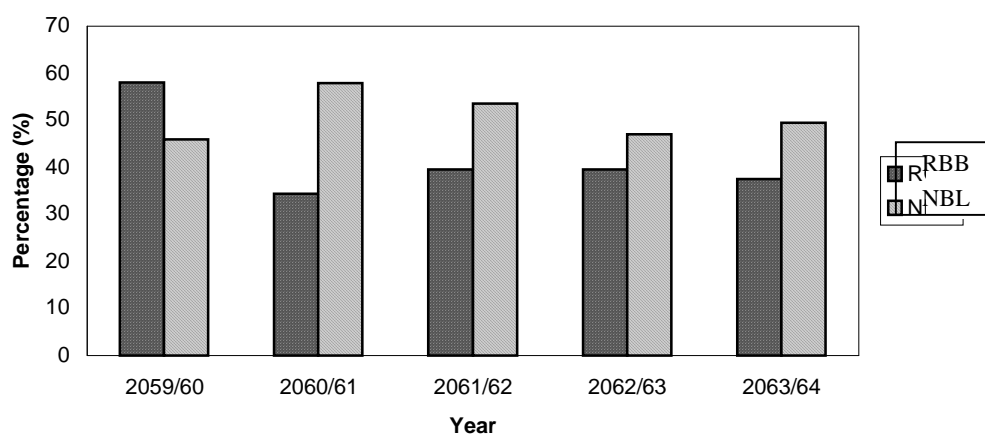
#### Staff Expenses to Total Operating Expenses

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
<b>RBB</b>	57.99	34.44	39.56	39.54	37.56	41.54
<b>NBL</b>	45.97	57.93	53.59	47.00	49.49	50.80

(Source: Annexure XV)

Chart 4.13

#### Staff Expenses to Total Operating Expenses



The above table exhibits that the ratio of RBB ranged from 34.44% in the FY 2060/61 to 57.99% in the FY 2059/60. Similarly, the ratio of NBL ranged from 45.97% in the FY 2059/60% in the FY 2060/61.

#### 14) Office operating Expenses to Total Expenses

Office operating expenses comprises rents of office building and premises, electricity, water, repair and maintenance of various fixed assets, insurance, stationary, telex, telephone, advertisements, legal expenses, expenses relating to board of directors, expenses relating to board of audit, depreciation, amortization, professional service fee, security expenses, commission and discount and others.

$$\text{Staff Operating Expenses to Total Expense} = \frac{\text{Office Operating Expenses}}{\text{Total Operating Profit before Provision \& Tax}}$$

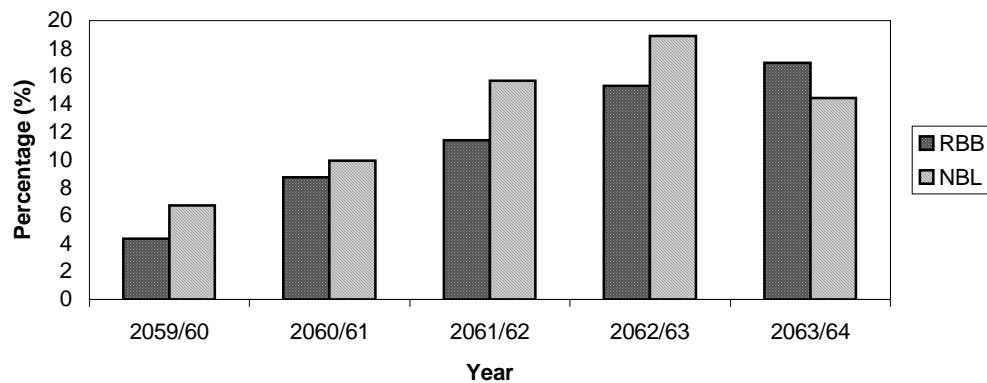
Table 4.14

#### Office Operating Expenses to Total Expenses (%)

	2059/60	2060/61	2061/62	2062/63	2063/64	Avg.
<b>RBB</b>	4.37	8.74	11.41	15.34	16.98	11.37
<b>NBL</b>	6.74	9.96	15.69	18.90	14.47	13.37

(Source: Annexure XVI)

Chart 4.14

**Office Operating Expenses to Total Expenses**

The above table exhibits that the ratio of RBB ranged from 4.37% in the FY 2059/60 to 16.98% in the FY 2063/64. Similarly, the ratio of NBL ranged from 6.74% in the FY 2059/60 to 18.90% in the FY 2062/63.

#### 4.3 STATISTICAL ANALYSIS

Statistical tools help to find out the trends of financial position of the band. It also analyzes the relationship between variables and helps bands to make appropriate decision. In this study, the least square linear trend was used to achieve the objective of the study. This topic analyzes the trend of net profit of RBB and NBL from the FY 2059/60 to 2063/64 and makes the forecast for the next five fiscal years till 2068/69.

##### 4.3.1 Trend Analysis of Net Profit and Projection for next 5 years

The profit is the universal measurement tool of the performance of profit earning institution. Likewise, it also serves as an important yardstick to measure the performance of the banks. Profit is important to various parties like management, employees and the government. The employees may use it to validate their claim for better recommendations and the government to receive taxes.

Here the trend analysis of net profit of RBB and NBL was done. The forecast was made for the next five fiscal years. The forecast was based on the following assumptions:

1. The main assumption is that other things remain constant.
2. The forecast will be only when the limitations of least square method are carried out.

3. The band will run in present position.
4. The economy will remain in the present trend.
5. Nepal Rastra Bank will not change its guidelines to the commercial banks.

The following table shows the trend values of net profit of RBB and NBL and NBL for 10 fiscal years from 2059/60 to 2068/69.

Table 4.15

**Trend Value of Net Profit of RBB and NBL**

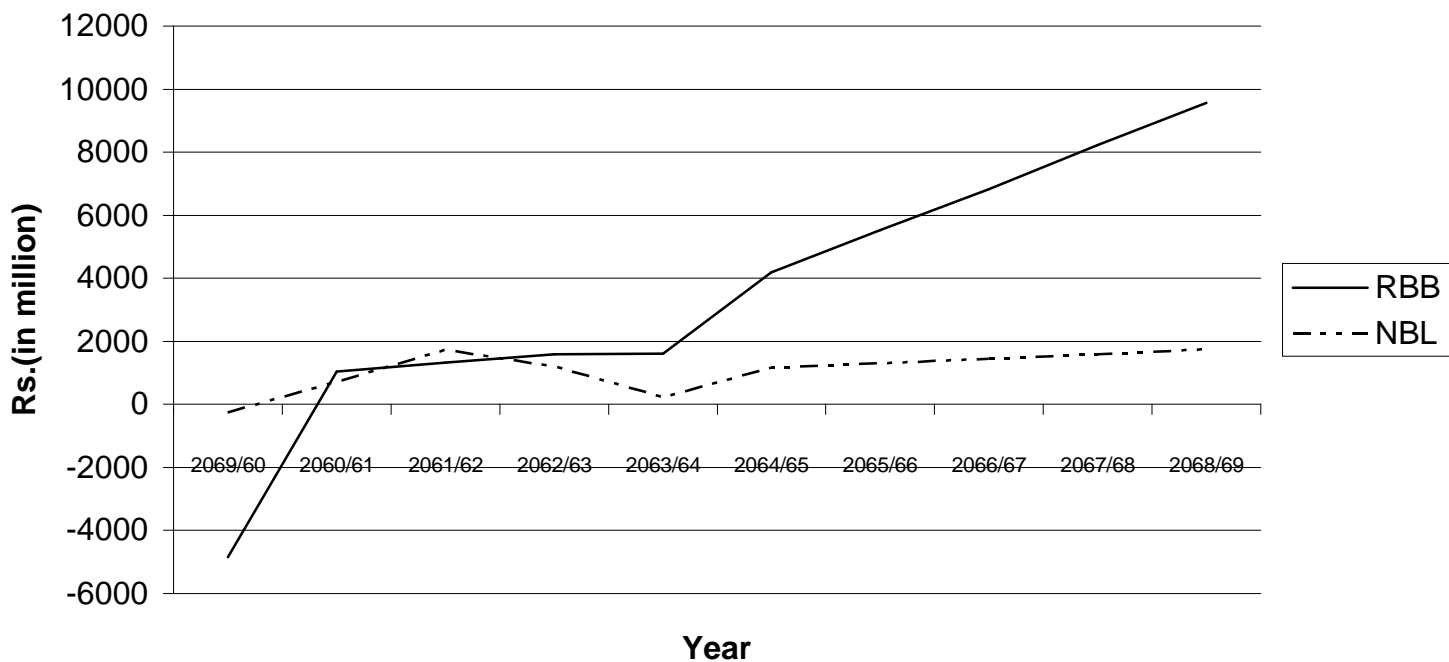
(Rs. in million)

Year	Trend Value of RBB	Trend Value of NBL
2069/60	-4840	-252
2060/61	1040	710
2061/62	1323	1730
2062/63	1592	1207
2063/64	1618	227
2064/65	4187	1161
2065/66	5534	1306
2066/67	6818	1452
2067/68	8227	1597
2068/69	9574	1743

(Source: Annexure XVII and XVIII)

The above table shows that the net profits of both the banks have the increasing trend for the forecasted period. If other things remaining the same, the total net profit of Rastriya Baniya Band and Nepal Band Ltd, will be Rs.9574 million and Rs.1743 million for the F.Y. 2068/69. The calculated trend values of vet profit of both the banks have been diagrammatically presented in the trend line below.

### Trend Line Of Net Profit



#### 4.4 FINDINGS

As the bank has been recovering from the past heavy loss, the net profit margins of both the bands were not consistent. The net profit margins of NBL were in decreasing trend from last two years whereas the net profit margins of RBB also decreased in the last year. Similarly, the ROTA of both the bank was in fluctuating trend but in last two years the ROTA of RBB was better than the NBL. Although the ROTA of RBB was in fluctuating trend during the study period due to the negative return in the FY 2059/60.

ROE and ROCE of both RBB and NDL were negative throughout the five fiscal years period. The negative ROE and ROCE was due to the high amount of negative reserve maintained by both the bands and also due to the heavy loss suffered by the bank in the past year from which the band has been still recovering.

Both the bands showed poor performance. But in comparison to the FY 2059/60 both the banks have been able to lower their ratio and improve their performance. But the ratio showed that NBL has high operating ratio than RBB which indicates the poor

performance of NBL as the ratio of operating expenses was higher than the operating income.

RBB and NBL had very low net interest margin. Although the net interest margin of RBB was higher than NBL, the net interest margin of NBL

RBB and NBL had very high interest payout ratio of 102.78% and 72.09 respectively. The main reason was due to high volume of NPAs and high cost deposits. Gradually in the recent year both the banks have been able to maintain favorable interest payout ratio.

The net operating margin of RBB was better than NBL but the ratio of RBB was very inconsistent in comparison to NBL. But the ratio of NBL was very low and needed to be improved. Although the bank had negative ratio in the FY 2059/60, both the banks have been able to improve its ratio.

The interest income to total income ratio of RBB ranged between 55.64% in the FY 2063/64 to 87.09% in the FY 2059/60. Similarly, The ratio of NBL ranged from 45.84% in the FY 2060/61 to 71.03% in the FY 2063/64. This showed that both the banks were able to generate fair amount of interest income in its total income. The ratio of NBL has gradually improve from the FY 2060/61 to 2063/64 were as the ratio of RBB was inconsistent.

Free and commission income to total income ratio of RBB ranged between 6.72% in the FY 2062/63 to 8.92% in the FY 2059/60. Similarly, the ratio of NBL ranged from 4.12 in the FY 206d2/63 to 8.98 in the FY 2059/60. The ratio of RBB has been better than NBL except in the FY 2059/60.

Both the banks were in loss in foreign exchange income in the recent year i.e. 2063/64. RBB and NBL had the foreign Exchange income to total income ratio of 1.72% and 2.80% respectively in the FY 2062/63.

Interest Expenses to Total Operating Expenses ratio of RBB ranged from 37.64% in the RY 2059/60 to 56.82% in the FY 2060/61. Similarly the ratio of NBL has ranged from 30.72% in the FY 2061/62 to 47.29% in the FY 2059/60. The RBB has higher interest expenses ratio than NBL except for the FY 2059/60 which indicates that RBB has maintained high cost deposit than NBL.

Both the bands had very high staff expense ratio of RBB ranged from 34.44% in the FY 2060/61 to 57.99% in the FY 2059/60. Similarly, the ratio of NBL ranged from 45.97% in the FY 2059/60 to 57.93% in the FY 2060/61. The staff expense ratio of NBL was higher than RBB through out the study period except for the FY 2059/60.

The FSRP was in operation in both the banks, the operating expenses of both the banks were in increasing each year. The ratio of RBB ranged from 4.37% in the FY 2059/60 to 16.98% in the FY 2063/64. Similarly, the ratio of NBL ranged from 6.74% in the FY 2059/60 to 18.90% in the FY 2062/63.

## ANNEX

## ANNEXURE - 1

## Comparative Balance Sheet

## NEPAL BANK LTD.

in Million

S.N.	Liabilities	2064	2063	2062	2061	2060
1	Share Capital	380	380	380	380	380
2	Reserve Funds	-6628	-6681	-7806	-9306	-10211
3	Debenture and Bonds	0	0	0	0	-
4	Borrowings	1605	1717	1247	0	52
5	Deposits	39014	35829	35934	35735	35014
6	Bills Payable	61	101	418	31	141
7	Proposed & Dividend Payable	2	1	0	0	0
8	Income Tax Liabilities	0	0	0	0	0
9	Other Liabilities	4824	4524	16872	17409	14440
	<b>Total</b>	<b>39258</b>	<b>35918</b>	<b>47045</b>	<b>44161</b>	<b>39816</b>
	<b>Assets</b>					
1	Cash Balance	1086	1110	1069	1010	1417
2	Balance with NRB	5225	5354	0	0	0
3	Balance with Banks/FI	806	709	5090	4850	3179
4	Money at call & S.N.	200	0	550	752	81
5	Investments	16072	14490	14199	11005	12448
6	Loan, Advance & Bills Receivable	11058	9756	8219	8882	7971
7	Fixed assets	206	192	187	195	137
8	Non Banking Assets	0	0	0	0	0
9	Other Assets	4605	4307	17731	17467	14583
	<b>Total</b>	<b>39258</b>	<b>35918</b>	<b>47045</b>	<b>44161</b>	<b>39816</b>

(Source: Annual Reports of NBL)

## Comparative Profit Loss Account

## NEPAL BANK LIMITED

in Million

S.N.	Income	2002/03	2003/04	2004/05	2005/06	2006/07
		2059/60	2060/61	2061/62	2062/63	2063/64
1	Interest Income	2200	1825	1987	2049	1849
2	Fees, Commission and Discount	280	232	188	178	181
3	Foreign Exchange Gain	43	72	1	121	0
4	Non Operating Income	132	645	1451	23	50
5	Other Operating Income	463	1207	542	140	287
6	Extraordinary Income	0	0	0	0	236
7	Write Back of Provision for Possible loss	0	0	0	1813	0
8	Net Loss Carried Down	252	0	0	0	0
	<b>Total</b>	<b>3370</b>	<b>3981</b>	<b>4169</b>	<b>4324</b>	<b>2603</b>
	<b>Expense</b>					
1	Interest Expenses	1586	1025	748	774	773
2	Employees Expenses	1542	1849	1305	1067	1125
3	Other Operating	2260	318	382	429	329
4	Expenses Loss	0	0	0	0	46
5	Non Operating Expenses	0	0	0	0	0
6	Bad debts written off	0	0	0	0	0
7	Provision for possible Losses	0	0	0	607	80
8	Provision for staff Bonus	0	79	0	121	23
9	Provision for Income Tax	0	0	0	0	0
10	Provision for Investment	16	0	4	0	0
11	Extraordinary Expenses	0	0	0	119	0
12	Net Profit Carried Down	0	710	1730	1207	227
	<b>Total</b>	<b>3370</b>	<b>3981</b>	<b>4169</b>	<b>4324</b>	<b>2603</b>

(Source: Annual Reports of NBL)

## ANNEXURE-II

## Comparative Balance Sheet

## RASTRIYA BANIJYA BANK

in million

S.N.	Liabilities	2007	2006	2005	2004	2003
		<b>64</b>	<b>63</b>	<b>62</b>	<b>61</b>	<b>601172</b>
1	Share Capital	1172	1172	1172	1172	-23568
2	Reserve Funds	-83392	- 19891	- 21372	- 22610	0
3	Debenture & Bonds	0	0	0	0	162
4	Borrowings	2220	4358	4218	80	39402
5	Deposits	50465	46195	43016	40867	16
6	Bill payable	64	41	40	24	0
7	Proposed & Dividend Payable	47	39	0	0	0
8	Income Tax Liabilities	0	0	0	0	25988
9	Other Liabilities	10564	7965	29748	25523	43172
	<b>Total Liabilities</b>	<b>46140</b>	<b>39822</b>	<b>56822</b>	<b>45056</b>	
	<b>Assets</b>					
1	Cash Balance	1898	1202	1622	1007	1019
2	Balance with Nepal Rastra Bank	3709	3867			
3	Balance with Banks/Fl	197	159	3931	6012	2717
4	Money at call & S.N.	20	0	0	100	740
5	Investments	12650	11555	8416	3117	4623
6	Loan & Advance	17329	14634	13431	10831	11679
7	Fixed assets	439	421	393	392	479
8	Non-Banking Assets	110	98			
9	Other Assets	9788	7943	29029	23597	21915
	<b>Total Assets</b>	<b>46140</b>	<b>39822</b>	<b>56822</b>	<b>45056</b>	<b>43172</b>

(Source: Annual Reports of RBB)

## Comparative Profit &amp; Loss Account

## RASTRIYA BANIJYA BANK

in million

S.N.	Income	2059/60	2060/61	2061/62	2062/63	2063/64
1	Interest Income	2051	2236	2329	2283	2357
2	Fees, Commission and Discount	210	310	288	289	344

3	Foreign Exchange Gain	3	16	14	74	0
4	Non Operating Income	7	147	44	27	31
5	Other Operating Income	84	1056	835	110	123
6	Extraordinary Gain	0	0	0	0	156
7	Write Back of Provision for possible loss	0	0	0	1516	1225
8	Net Loss Carried Down	4840	0	0	0	0
	<b>Total</b>	<b>7195</b>	<b>3765</b>	<b>3510</b>	<b>4299</b>	<b>4236</b>
	Expenses					
1	Interest Expenses	2108	1495	1005	850	943
2	Employees Expenses	3248	906	811	745	789
3	Other Operating Expenses	245	230	234	286	357
4	Exchange Loss	0	0	0	0	13
5	Non Operating Expenses	0	0	0	0	0
6	Bad debts written off	0	0	0	0	0
7	Provision for Possible Losses	1594	11	137	663	387
8	Provision For Staff Bonus	0	83	0	127	129
9	Provision For Income Tax	0	0	0	0	0
10	Extraordinary Expenses	0	0	0	33	0
11	Net Profit Carried Down	0	1040	1323	1592	1618
	<b>Total</b>	<b>7195</b>	<b>3765</b>	<b>3510</b>	<b>4299</b>	<b>4236</b>

(Source: Annual Reports of RBB)

**ANNEXURE - III****Calculation of Net profit Margin****RASTRIYA BANIJYA BAND**

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Total Operating Income (A)	2348	3618	3466	2756	2980
Net Profit (B)	-4840	1040	1323	1592	16.18
<b>Net Profit Margin (B/A)</b>	<b>206.13</b>	<b>28.75</b>	<b>38.17</b>	<b>57.76</b>	<b>54.30</b>

## NEPAL BANK LIMITED

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Total Operating Income (A)	2986	3336	2718	2488	2553
Net Profit (B)	-252	710	1730	1207	227
<b>Net Profit Margin (B/A)</b>	<b>-8.44</b>	<b>21.28</b>	<b>63.65</b>	<b>48.51</b>	<b>8.89</b>

(Source: Annexure I and II)

## ANNEXURE - IV

## Calculation of Return on Total Assets

## RASTRIYA BANIJYA BANK

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Net Profit (A)	-4840	1040	1323	1592	1618
Total assets (B)	43172	45056	56822	39879	46140
<b>ROTA (B/A)</b>	<b>-11.21</b>	<b>2.31</b>	<b>2.33</b>	<b>3.99</b>	<b>3.51</b>

## NEPAL BANK LIMITED

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Net Profit (A)	-252	710	1730	1207	227
Total assets (B)	39816	44161	47045	35918	39258
<b>For ROTA (B/A)</b>	<b>-.63</b>	<b>1.61</b>	<b>3.68</b>	<b>3.36</b>	<b>0.58</b>

(Source: Annexure I and II)

## ANNEXURE - V

## Calculation of Return on Equity

## RASTRIYA BANIJYA BANK

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Net Profit (A)	-4840	1040	1323	1592	1618
Shareholders' Equity (B)	-22396	-21438	-20200	-18719	-17220
<b>ROE (B/A)</b>	<b>-21.61</b>	<b>-4.85</b>	<b>-6.55</b>	<b>-8.50</b>	<b>-9.40</b>

## NEPAL BANK LIMITED

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Net Profit (A)	-252	710	1730	1207	227
Shareholders' Equity (B)	-9831	-9014	-7426	-6301	-6248
<b>ROE (B/A)</b>	<b>-2.56</b>	<b>-7.87</b>	<b>-23.30</b>	<b>-19.16</b>	<b>-3.63</b>

(Source: Annexure I and II)

## ANNEXURE - VI

## Calculation of Return on Capital Employed

## RASTRIYA BANIJYA BANK

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Net Profit (A)	-4840	1040	1323	1592	1618
Total External Capital	-22234	-21358	-15982	-14361	-15000
<b>ROCE</b>	<b>-21.77</b>	<b>-4.87</b>	<b>-8.27</b>	<b>-11.09</b>	<b>-10.79</b>

## NEPAL BANK LIMITED

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Net Profit (A)	-252	710	1730	1207	227
Total External Capital	-9779	-9014	-6179	-4584	-4643
<b>ROCE</b>	<b>-2.58</b>	<b>-7.89</b>	<b>-27.99</b>	<b>-26.33</b>	<b>-4.89</b>

(Source: Annexure I and II)

## ANNEXURE - VII

## Calculation of Operating Efficiency Ratio

## RASTRIYA BANIJYA BANK

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Total Operating Expenses (A)	5601	2631	2050	1884	2102
Total Operating Income (B)	2348	3618	3466	2756	2980
<b>Operating Efficiency Ratio (A/B)</b>	<b>238.54</b>	<b>72.72</b>	<b>59.15</b>	<b>68.36</b>	<b>70.54</b>

## NEPAL BANK LIMITED

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Total Operating Expenses (A)	3354	3192	2435	2270	2273
Total Operating Income (B)	2986	3336	2718	2488	2553

<b>Operating Efficiency Ratio (A/B)</b>	<b>112.32</b>	<b>95.68</b>	<b>89.59</b>	<b>91.24</b>	<b>89.03</b>
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(Source: Annexure I and II)

**ANNEXURE - VIII****Calculation of Net Interest Margin****RASTRIYA BANIJYA BANK**

<b>Particular</b>	<b>2059/60</b>	<b>2060/61</b>	<b>2061/62</b>	<b>2062/63</b>	<b>2063/64</b>
Interest Income (A)	2051	2236	2329	2283	2357
Interest Expenses (B)	2108	1495	1005	850	943
<b>Total Earning Assets (C)</b>	<b>19019</b>	<b>19960</b>	<b>25778</b>	<b>30215</b>	<b>33885</b>
<b>Net Interest Margin (A-B) /C]</b>	<b>-0.30</b>	<b>3.71</b>	<b>5.14</b>	<b>4.74</b>	<b>4.17</b>

**NEPAL BANK LIMITED**

<b>Particular</b>	<b>2059/60</b>	<b>2060/61</b>	<b>2061/62</b>	<b>2062/63</b>	<b>2063/64</b>
Interest Income (A)	2200	1825	1987	2049	1849
Interest Expenses (B)	1586	1025	748	774	773
<b>Total Earning Assets (C)</b>	<b>39816</b>	<b>44161</b>	<b>47045</b>	<b>35918</b>	<b>33161</b>
<b>Net Interest Margin (A-B) /C]</b>	<b>1.54</b>	<b>1.81</b>	<b>2.63</b>	<b>3.55</b>	<b>3.24</b>

(Source: Annexure I and II)

**ANNEXURE - IX****Calculation of Interest Payout Ratio****RASTRIYA BANIJYA BANK**

<b>Particular</b>	<b>2059/60</b>	<b>2060/61</b>	<b>2061/62</b>	<b>2062/63</b>	<b>2063/64</b>
Interest Expenses	2108	1495	1005	850	943
Interest Income	2015	2236	2329	2283	2357
<b>Interest payout Ratio</b>	<b>102.78</b>	<b>66.86</b>	<b>43.15</b>	<b>37.23</b>	<b>40.01</b>

**NEPAL BANK LIMITED**

<b>Particular</b>	<b>2059/60</b>	<b>2060/61</b>	<b>2061/62</b>	<b>2062/63</b>	<b>2063/64</b>
Interest Expenses	1586	1025	748	774	773
Interest Income	2200	1825	1987	2049	1849
<b>Interest payout Ratio</b>	<b>72.09</b>	<b>56.16</b>	<b>37.64</b>	<b>37.77</b>	<b>41.81</b>

(Source: Annexure I and II)

## ANNEXURE - X

## Calculation of Net Operating Margin

## RASTRIYA BANIJYA BANK

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Total Operating Income (A)	2348	3618	3466	2756	2980
Total Operating Expenses (B)	5601	2631	2050	1884	2102
<b>Total Earning Assets (C)</b>	19019	19960	25778	30215	33885
<b>Net Operating Margin (A-B) /C]</b>	<b>-17.10</b>	<b>4.94</b>	<b>5.49</b>	<b>2.87</b>	<b>2.59</b>

## NEPAL BANK LIMITED

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Total Operating Income (A)	2986	3336	2718	2488	2553
Total Operating Expenses (B)	3354	3192	2435	2270	2273
<b>Total Earning Assets (c)</b>	39816	44161	47045	35918	33161
<b>Net Operating Margin (A-B) /C]</b>	<b>-0.92</b>	<b>0.33</b>	<b>0.60</b>	<b>0.61</b>	<b>0.84</b>

(Source: Annexure I and II)

## ANNEXURE - XI

## Calculation of Interest Income to Total Income Ratio

## RASTRIYA BANIJYA BANK

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Interest Income (A)	2051	2236	2329	2283	2357
Total Income (B)	2355	3765	3510	4299	4236
<b>Interest Income to Total Income (A/B)</b>	<b>87.09</b>	<b>59.39</b>	<b>66.35</b>	<b>53.11</b>	<b>55.64</b>

## NEPAL BANK LIMITED

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Interest Income (A)	2200	1825	1987	2049	1849
Total Income (B)	3118	3981	4169	4324	2603
<b>Interest Income to Total Income (A/B)</b>	<b>70.56</b>	<b>45.84</b>	<b>47.66</b>	<b>47.39</b>	<b>71.03</b>

(Source: Annexure I and II)

## ANNEXURE - XII

**Calculation of Fee and Commission Income to total income Ratio**

**RASTRIYA BANIJYA BANK**

<b>Particular</b>	<b>2059/60</b>	<b>2060/61</b>	<b>2061/62</b>	<b>2062/63</b>	<b>2063/64</b>
Free and Commission Income (A)	210	310	288	289	344
Total Income (B)	2355	3765	3510	4299	4236
<b>Free and Commission Income to Total Income (A/B)</b>	<b>8.92</b>	<b>8.23</b>	<b>8.21</b>	<b>6.72</b>	<b>8.12</b>

**NEPAL BANK LIMITED**

<b>Particular</b>	<b>2059/60</b>	<b>2060/61</b>	<b>2061/62</b>	<b>2062/63</b>	<b>2063/64</b>
Free and Commission Income (A)	280	232	188	178	181
Total Income (B)	3118	3981	4169	4324	2603
<b>Free and Commission Income to Total Income (A/B)</b>	<b>8.98</b>	<b>5.83</b>	<b>4.51</b>	<b>4.12</b>	<b>6.95</b>

*(Source: Annexure I and II)*

**ANNEXURE - XIII**

**Calculation of Foreign Exchange Income to total income Ratio**

**RASTRIYA BANIJYA BANK**

<b>Particular</b>	<b>2059/60</b>	<b>2060/61</b>	<b>2061/62</b>	<b>2062/63</b>	<b>2063/64</b>
Foreign Exchange Income (A)	3	16	14	74	-13
Total Income (B)	2355	3765	3510	4299	4236
<b>Foreign Exchange Income to Total Income (A/B)</b>	<b>0.13</b>	<b>0.42</b>	<b>0.40</b>	<b>1.72</b>	<b>-0.31</b>

**NEPAL BANK LIMITED**

<b>Particular</b>	<b>2059/60</b>	<b>2060/61</b>	<b>2061/62</b>	<b>2062/63</b>	<b>2063/64</b>
Foreign Exchange Income (A)	43	72	1	121	-46
Total Income (B)	3118	3981	4169	4324	2603
<b>Foreign Exchange Income to Total Income (A/B)</b>	<b>1.38</b>	<b>1.81</b>	<b>0.02</b>	<b>2.80</b>	<b>-1.77</b>

*(Source: Annexure I and II)*

**ANNEXURE - XIV**

**Calculation of Interest Expenses to Total Operating Expenses Ratio**

**RASTRIYA BANIJYA BANK**

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Interest Expenses (A)	2108	1495	1005	850	943
Total Operating Expenses (B)	5601	2631	2050	1884	2102
<b>Interest Expenses to Total Operating Expenses (A/B)</b>	<b>37.64</b>	<b>56.82</b>	<b>49.02</b>	<b>45.12</b>	<b>44.86</b>

**NEPAL BANK LIMITED**

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Interest Expenses (A)	1586	1025	748	774	773
Total Operating Expenses (B)	3354	3192	2435	2270	2273
<b>Interest Expenses to Total Operating Expenses (A/B)</b>	<b>47.29</b>	<b>32.11</b>	<b>30.72</b>	<b>34.10</b>	<b>34.01</b>

(Source: Annexure I and II)

**ANNEXURE - XV****Calculation of Staff Expenses to Total Operating Expenses Ratio****RASTRIYA BANIJYA BANK**

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Staff Expenses (A)	3248	906	811	745	789
Total Operating Expenses (B)	5601	2631	2050	1884	2102
<b>Staff Expenses to Total Operating Expenses (A/B)</b>	<b>57.99</b>	<b>34.44</b>	<b>39.56</b>	<b>39.54</b>	<b>37.54</b>

**NEPAL BANK LIMITED**

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Staff Expenses (A)	1542	1849	1305	1067	1125
Total Operating Expenses (B)	3354	3192	2435	2270	2273
<b>Staff Expenses to Total Operating Expenses (A/B)</b>	<b>45.97</b>	<b>57.93</b>	<b>53.59</b>	<b>47.00</b>	<b>49.49</b>

(Source: Annexure I and II)

**ANNEXURE - XVI****Calculation of Staff Operating Expenses to Total Operating Expenses Ratio****RASTRIYA BANIJYA BANK**

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Other Operating Expenses (A)	245	230	234	289	357
Total Operating Expenses (B)	5601	2631	2050	1884	2102
<b>Other Operating Expenses to Total</b>	<b>4.37</b>	<b>8.74</b>	<b>11.41</b>	<b>15.34</b>	<b>16.98</b>

Expenses (A/B)					
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**NEPAL BANK LIMITED**

Particular	2059/60	2060/61	2061/62	2062/63	2063/64
Other Operating Expenses (A)	226	318	382	429	329
Total Operating Expenses (B)	3354	3192	2435	2270	2273
<b>Other Operating Expenses to Total Expenses (A/B)</b>	<b>6.74</b>	<b>9.96</b>	<b>15.69</b>	<b>18.90</b>	<b>14.47</b>

(Source: Annexure I and II)

**ANNEXURE - XVII****Calculation of Trend Line****RASTRIYA BANIJYA BANK**

Year	Time Period (x)	Net Profit (y)	$x^2$	xy
2059/60	1	-4840	1	-4840
2060/61	2	1040	4	2080
2061/62	3	1323	9	3969
2062/63	4	1592	16	6368
2063/64	5	1618	25	8090
	<b>x = 15</b>	<b>y = 733</b>	<b><math>x^2 = 55</math></b>	<b>xy = 15667</b>

For this method we have a equation

$$Y = a + bx$$

Where,

$$y = \text{net Profit}$$

$$x = \text{time period}$$

$$n = 5 \text{ (number of years)}$$

a and b = constant parameters which are to be estimated. The parameter b gives the measure of annual increase in sales. The unknown parameter a and b are estimated by solving the following two equation bases on the principle of least square.

$$y = na + b \quad x \dots\dots\dots\text{ii}$$

$$xy = a \quad x + b \quad x^2 \dots\dots\dots\text{iii}$$

Substituting the value in eqn. li and iii we have,

$$733 = 5a + 15b \dots\dots\dots\text{iii}$$

$$15557 = 15a + 55b \dots\dots\dots iv$$

Multiplying equation iii by 3 and solve then

$$15667 = 15a + 55b$$

$$2199 = 15a + 45b$$

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$$13468 = 10b$$

Or,  $10b = 13468$

Or,  $b = 1346.8$

Substituting the value of b in equation iii

$$733 = 5a + 15b$$

$$733 = 5a + 15 \mid 1346.8$$

$$3622 = 5a + 20202$$

Or,  $a = -3893.8$

Now substituting the value of constant a & b in equation (i) we get

$$Y = -3893.8 + 1346.8x$$

From the equation now we can obtain the forecast of the net profit for next five year.

**Forecast for next five year**

Year	Time Period (x)	$Y = a + bx$	Forecasted Net profit
2064/65	6	$Y = -3893.8 + 1346.8 \hat{=} 6$	4187
2065/66	7	$Y = -3893.8 + 1346.8 \hat{=} 7$	5534
2066/67	8	$Y = -3893.8 + 1346.8 \hat{=} 8$	6881
2067/68	9	$Y = -3893.8 + 1346.8 \hat{=} 9$	8227
2068/69	10	$Y = -3893.8 + 1346.8 \hat{=} 10$	9574

**Annexure - XVIII**

**Calculation of Trend Line  
NEPAL BANK LIMITED**

Year	Time Period (x)	Net Profit (y)	X <sup>2</sup>	xy
2059/60	1	-252	1	-252
2060/61	2	710	4	1420
2061/62	3	1730	9	5190
2062/63	4	1207	16	4828
2063/64	5	227	25	1135
	x = 15	y = 3622	x <sup>2</sup> = 55	xy = 12321

For this method we have a equation

$$Y = a + bx$$

Where,

Y= net profit

X= time period

N= 5 (number of years)

A and b= constant parameters which are to be estimated. The parameter b gives the measure of annual increase in sales. The unknown parameter a and b are estimated by solving the following two equation based on the principle of least square.

$$y = na + b \ x \dots\dots\dots ii$$

$$xy = a \ x + b \ x^2 \dots\dots iii$$

Substituting the value in eqn. li and iii We have,

$$3622 = 5a + 15b \dots\dots\dots iii$$

$$12321 = 15a + 55b \dots\dots\dots iv$$

Multiplying equation iii by 3 and solve them

$$12321 = 15a + 55b$$

$$10866 = 15a + 45b$$

$$\begin{array}{r} - \quad - \quad - \\ \hline 1455 = 10b \end{array}$$

$$\text{Or, } 10b = 1455$$

Or,  $b = 145.5$

Substituting the value of  $b$  in equation iii

$$3622 = 5a + 15b$$

$$3622 = 5a + 15 \times 145.5$$

$$3622 = 5a + 2182.5$$

Or,  $a = 287.9$

Now substituting the value of constant  $a$  &  $b$  in equation (i) we get

$$Y = 287.9 + 145.5x$$

From the equation, now we can obtain the forecast of the net profit for next five year.

**Forecast for next five year**

Year	Time Period (x)	$Y = a + bx$	Forecasted Net profit
2064/65	6	$Y = 287.9 + 145.5 \hat{=} 6$	1161
2065/66	7	$Y = 287.9 + 145.5 \hat{=} 7$	1306
2066/67	8	$Y = 287.9 + 145.5 \hat{=} 8$	1452
2067/68	9	$Y = 287.9 + 145.5 \hat{=} 9$	1597
2068/69	10	$Y = 287.9 + 145.5 \hat{=} 10$	1743