



Performance Evaluation of Public And Private Sector Banks In India: A Comparative Study

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ABSTRACT

The banking sector is the backbone of any modern economy. It is one of the major financial pillars of the financial sector, which plays a vital role in the functioning of an economy. It is very significant for development of an economic; because it meets the financial requirements of trade, industry and agriculture to accomplish the high level of obligation and accountability. Thus, the development of a country is associated with the development of banking. In a modern economy, banks play the role of leaders of development. They play an important role in the mobilization of deposits and expense of credit to different sectors of the economy. The effectiveness and efficiency of banking system leads to an increase of economic efficiency by mobilizing savings and allocating them to high return investment. The study confirms that economy with a well-developed banking system grow up faster than those with a weaker one. The banking system indicates the economic strength of the country. The strength of a nation depends on the strength and efficiency of the financial system of that nation, which in turn depends on a sound and solvent banking system. This makes banks capable of meets their obligation to the depositors.

KEYWORDS

Introduction

The banking sector is the backbone of any modern economy. It is one of the major financial pillars of the financial sector, which plays a vital role in the functioning of an economy. It is very significant for development of an economic; because it meets the financial requirements of trade, industry and agriculture to accomplish the high level of obligation and accountability. Thus, the development of a country is associated with the development of banking. In a modern economy, banks play the role of leaders of development. They play an important role in the mobilization of deposits and expense of credit to different sectors of the economy. The effectiveness and efficiency of banking system leads to an increase of economic efficiency by mobilizing savings and allocating them to high return investment. The study confirms that economy with a well-developed banking system grow up faster than those with a weaker one. The banking system indicates the economic strength of the country. The strength of a nation depends on the strength and efficiency of the financial system of that nation, which in turn depends on a sound and solvent banking system. This makes banks capable of meets their obligation to the depositors.

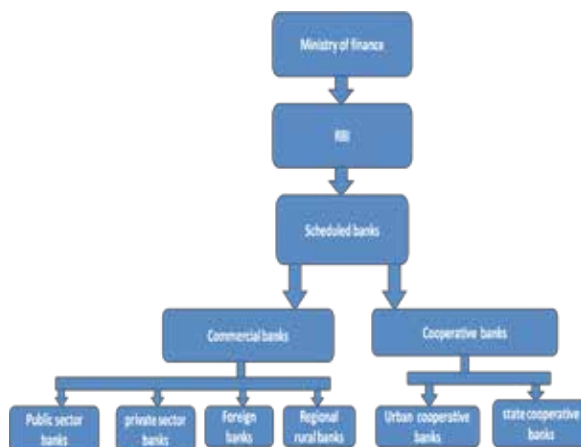
In India, banks are also playing a critical role in socioeconomic progress of the country after independence. The banking sector is governing sector in India as it accounts for more than half the assets of the entire financial sector. Indian banks have been going through a fascinating phase through hasty changes brought about by financial sector reforms, which are being implemented in a phased behavior.

the term bank is either derived from Old Italian word banca or from a French word banque both mean a Bench or money exchange table. In olden days, European money lenders or money changers used to display (show) coins of different countries in big eaps (quantity) on benches or tables for the purpose of lending or exchanging.

A bank is a financial institution which deals with deposits and advances and other related services. It receives money from those who want to save in the form of deposits and it lends

money to those who need it.

Structure of banking and types of banks in India:



RBI

The RBI is India's central bank of India. The Reserve Bank of India was established on the April 1, 1935 in harmony with the provisions of the Reserve Bank of India Act, 1934. RBI works as a banker to the Government and Banks. The Central Bank keeps the record of Government revenue and expenditure under various heads. It keeps up deposit accounts of all other banks and advances money to other banks, when required. Another important function of the Central Bank is the issuance of currency notes; regulating their circulation and controlling of money supply in the country. RBI also play a main important function that is credit creation in the economy.

Scheduled Bank

All banks which are included in the Second Schedule to the Reserve Bank of India Act, 1934 are known as scheduled banks. These banks consist of Scheduled Commercial Banks

and Scheduled Cooperative Banks. The type of banks comes under these Scheduled Commercial Banks and Scheduled Co-operative Banks can be seen by the above figure. All most all banks are Scheduled banks in India.

(A) Commercial Banks

Commercial banks may be defined or known as, any banking organization that deals with the deposits and loans of business organizations known as commercial bank. Commercial banks issue bank checks and bank drafts, as well as accept money on term deposits. Commercial banks also act as moneylenders, by way of installment loans and overdrafts. Commercial banks also allow for a variety of deposit accounts, such as checking, savings, and time deposit. These institutions are run to make a profit and owned by a group of individuals.

1 Public Sector Banks

These are banks where majority stake is held by the Government of India (above 50%). Examples of public sector banks are: SBI, PNB, Bank of India, Canara Bank, etc.

2 Private Sector Banks

These are banks majority of share capital of the bank is held by private sector. These banks are registered as companies with the limited liability. Examples of private sector banks are: ICICI Bank, Axis bank, HDFC, yes bank etc.

3. Foreign Banks

These banks are registered and have their headquarters in a foreign country but operate their branches in our country. Examples of foreign banks in India are: HSBC, Citibank, Standard Chartered Bank, etc.

4 Regional Rural Banks

Regional Rural Banks were established under the provisions of an Ordinance promulgated on the 26th September 1975 and the RRB Act, 1976 with an objective to guarantee sufficient institutional credit for agriculture and other rural sectors in the economy. The area of operation of RRBs is limited to the area as notified by government of India covering one or more districts in the State. RRBs are jointly owned by GoI, the concerned State Government and Sponsor Banks which include (27 scheduled commercial banks and one State Cooperative Bank); the issued capital of a RRB is shared by the owners in the proportion of 50%, 15% and 35% respectively. Prathama bank was the first Regional Rural Bank in India located in the city Moradabad in Uttar Pradesh.

(B) Cooperative Banks

A co-operative bank is a financial body which belongs to its members, who are at the same time the owners and the customers of their bank. Co-operative banks are often created by persons belonging to the same local or professional community or sharing a common interest. Co-operative banks generally provide their members with a wide range of banking and financial services like (loans, deposits, banking accounts, etc). They provide limited banking products and they are specialists in agriculture-related products. Cooperative banks are the primary financiers of agricultural activities, some small-scale industries and self-employed workers. Co-operative banks function on the basis of "no-profit no-loss". Anyonya Co-operative Bank Limited (ACBL) was the first co-operative bank in India located in the city of Vadodara in Gujarat.

Review of Literature

The present paper is devoted to review the vast literature which has been carried out to measure the performance of banking sector in India

Prasad K and Ravinder. G (2012) explored a study on performance evaluation of 20 nationalized banks with the help of CAMEL model. The study was mainly based on secondary data covered the period of five year (2005-2010). Results showed that Andhra bank was at the top most position followed by bank of Baroda and Punjab & Sind Bank. It was also observed that Central Bank of India was at the bottom most

position.

Kumar S and Gulati R (2010) explored a study on "Dynamics of Cost Efficiency and issue of cost convergence in Indian Public Sector Banks: A Post-deregulation Experience" over the period of (1992-2008), with the help of technical and allocative efficiencies levels of Indian PSBs. It was founded that deregulation had a positive impact on the cost efficiency levels of Indian public sector banking industry over the period of study. Further, technical efficiency of Indian public sector banking industry followed an upward trend, while allocative efficiency followed a path of deceleration. It was noted that, in Indian public sector banking industry, the cost inefficiency is mainly driven by technical inefficiency rather than allocative inefficiency. The convergence analysis revealed that the inefficient PSBs were not only catching-up but also moving ahead than the efficient ones, i.e., the banks with low level of cost efficiency at the beginning of the period were growing more rapidly than the highly cost efficient banks. In sum, the study confirms a strong presence of s - and b - convergence in cost efficiency levels of Indian public sector banking industry.

Rajan S. , Reddy K, Pand others (2011) an attempt has been made to find out the "Efficiency And Productivity Growth In Indian Banking for the period 1979-2008 with the help of semi parametric estimation methods based on secondary data source The endogeneity of multiple outputs is addressed by semi parametric estimates in part by introducing multivariate kernel estimators for the joint distribution of the multiple outputs and correlated random effects. Output is measured as the rupee value of total loans and total investments at the end of the year. After analyzed the result it was founded that in bench marking related to frontier banks the nationalize banks were most technically efficient with the efficiency score of 100% from 1979 through 2008 as compared to domestic private sector banks and foreign banks. The estimates provide robust inferences of the productivity and efficiency gains due to economic reforms.

Choudhary.V, Aand Tandon .S (2010) analyzed the " financial Performance Of public Sector Banks In India" covered the period from 1997-2007 with the help of Compound Annual Growth rate and Coefficient of Variation of advances, deposits, total assets, return on assets, and return on equity. It was concluded that CAGR of various variables have shown variations from bank to bank. State Bank of Indore showed maximum CAGR in case of total advances, total deposits and total assets. Punjab & Sind Bank has shown least growth of deposits and advances and State Bank of India has least growth of deposits. CAGR of return on equity and return on assets was at peak of United Bank of India whereas Dena Bank, Punjab & Sind Bank and Indian Bank have shown negative trend in these ratios. Decline of NPA's ratio was highest in case of State Bank of Hyderabad and least in case of Dena banks. It was also suggested that government should formulate bank specific policies and should implement these policies through Reserve Bank of India for upliftment of Public Sector Banks .Public sector banks should try to upgrade technology and should formulate customer friendly policies to face competition at national and international level.

Dhanabhakym M, Kavitha M (2011) explored the study on "financial performance of selected public sector and private sector banks in India Covered the period from 2001 to 2010 with the help of Ratio Analysis, Correlation, and Regression methods. It was founded that in concerning the ratio of advances to assets Bank of India at the top position among the other public sector banks. Concerning with the ratio of capital to deposit there was increasing trend in the capital of the selected public sector banks. This ratio enables the banks' ability to meet the contingencies of repayment of deposits. And with other ratio like capital to working fund It was concluded that, overall efficiency of the selected public sector banks was good. Ratio of demand to deposit was at highest during the beginning of the study period, which thereafter had declined considerably. Hence, this declaration in the ratio

indicates a better liquidity enjoyed by the bank.

Research methodology

Methodology describes the research route to be followed, the instruments to be used, universe and sample of the study for the data to be collected, the tools and techniques of analysis used and pattern of deducing conclusion.

Research is a diligent and careful search for a new knowledge through systematic, scientific and analytical approach in any branch of knowledge also helps to accept, reject or modify the existing facts or knowledge. The main aim is to eliminate vague, superstitions and dogmatic idea by reasoned, objective and scientific ideas. Methodology deals with selecting specific technical tools and techniques for collecting the data and analyzing them. It refers to various methods used by the researcher right from data collection and techniques used for the same for interpretation and inferences.

This research study can be explained under following heading

(1) Statement of the problem:

To defining the problem is more essential than its solution; which may be merely a matter of mathematical or experimental skills. Defining the problem means half of the work has completed. To raise new question, new possibilities, to regards old problem from a new angle require creative imagination and marks a real advance in science

The present study mainly related to banking sector and is entirely focused on 'performance evaluation of public and private banks in India: a comparative study'. it also explore and compares the financial performance of public and private sector banks and suggest different avenues of banks to improve their performance and profitability.

(2) Rationale of the study:

In recent years, there has been a considerable widening and deepening of the Indian financial system, of which banking is a significant component. With greater Liberalization, the financial system has come to play a much larger role in the allocation of resources than in the past and its role in future can be expected to much larger than at present. To enhance the role of banking sector in the Indian economy, the increasing levels of deregulation and the increasing levels of competition have placed numerous demands on banks. Operating in the demanding environment has exposed banks to various challenges like Competition, Customer Service, Technology, Basel-II implication, improving Risk Management Systems, implementation of new Accounting Standards, Transparency and Disclosure and Corporate Governance. It is rightly said that anything which can be measured can be controlled. In the light of above developments and apparent challenges in the Indian banking industry, it is interesting to see how the banks have performed and what their parameters of the performance measurement are? True performance can be measured only by using financial and non-financial key performance indicators (KPIs) or key result indicators (KRIs). There is a need to evaluate the development of Indian banking sector with the rationality of "performance evaluation of Indian public and private sector banks.

(3) Objective of the study:

- To analyze the financial performance of public and private sector banks on the bases of selected parameters
- To determine compound growth of various performance indicator of public and private sector banks in India
- To give suitable recommendation for improvement of performance of selected banks.

(4) Data collection and analysis:

Research Design

This present study is descriptive and analytical study based on secondary data source.

Sample of the study

This paper is an attempt to evaluate the performance of public and private sector banks on the bases of some parameters like(operating expenses, business per employee, investment deposit ratio, credit deposit ratio, provision and contingencies, ,investment ,advances, deposits, non- performing assets) .For that purpose ten leading public and 10 private sector banks has been taken to compare the performance

- Public sector banks
- State bank of India
- Punjab national bank
- Bank of Baroda
- Allahabad bank
- Bank of India
- Syndicate bank
- Canara bank
- Union bank of India
- Bank of Maharashtra
- Private sector banks
- ICICI Bank
- HDFC
- The Karnataka bank ltd
- Indusind bank ltd
- City Union bank ltd
- The Jammu and Kashmir bank ltd
- The federal bank ltd
- Dhanlaxmi bank ltd
- ING Vysya bank ltd
- The Karur Vysya bank ltd

Time period of study

The study covered fourteen year (2001-2014) analysis of banking sector in India for the purpose of evaluate the financial performance of banking sector.

Tools for statistical analysis

There are number of tools for measuring the performance of banks but in the present study the most popular tools have been used. Statistical analysis was performed with these instruments like CAGR, S. D, Mean and C.V.

$$\bar{X} = \frac{\sum X}{N}$$

$$s = \sqrt{\frac{\sum (x - \bar{x})^2}{n - 1}}$$

$$\text{Coefficient of Variation} = \frac{\text{Standard Deviation}}{\text{Mean}} \times 100$$

$$\text{Coefficient of Variation} = \frac{\sigma}{\mu} \times 100$$

$$\text{CAGR} = ((\text{end value} / \text{beginning value}) ^ {1/(\text{time period}-1)})$$

Source of data

The present study is mainly based on the secondary data source for that data has been collected from the RBI annual reports, profile of banking sector in India, statistical table relating to banking sector in India ,RBI bulletins Indian banks association and from other web sites.

(5)Data Analysis and Interpretation

Operating Expenses

An expense incurred in carrying out an organization's day to day activities, but not directly associated with production operating, expenses include such things as payroll, sales and pension contribution, transportation and travel, amortization

high among other private sector bank during the time period of the study and it is very less in the case of Dhanlaxmi bank. It was depicted from the above table that the performance of karur vysya bank is fluctuating at very high rate during the time period of the study and in the performance of Karnataka bank there is less fluctuation in the performance of this bank. Result of CAGR is showing that growth rate of ICICI bank very is high and it is less on the case of J&K bank but if we see the aggregate result than ICICI is performing best out of these entire private sector banks.

Non -performing Assets

All those assets which don't generate periodical income in given specific time period are called as Non Performing Assets.

Table no. 5.9 NPA of public sector banks in percentage

year/bank name	SBI	PNB	BOB	Allahabad	Andhra bank	BOI	Syndicate	Canara	UBI	BOB
2001	6.03	6.69	6.77	11.23	2.95	6.72	4.05	4.84	6.87	7.41
2002	5.63	5.32	4.98	11.09	2.45	6.02	4.63	3.89	6.26	5.81
2003	4.50	3.86	3.72	7.08	1.79	5.37	4.29	3.59	4.91	4.82
2004	3.48	0.98	2.99	2.57	0.93	4.50	2.58	2.89	2.87	2.46
2005	2.65	0.20	1.45	1.28	0.28	2.77	1.59	1.88	2.64	2.15
2006	1.88	0.29	0.87	0.84	0.24	1.49	0.86	1.12	1.56	2.03
2007	1.56	0.76	0.60	1.07	0.17	0.95	0.76	0.94	0.96	1.21
2008	1.78	0.64	0.47	0.80	0.15	0.52	0.97	0.84	0.17	0.87
2009	1.79	0.17	0.31	0.72	0.18	0.44	0.77	1.09	0.34	0.79
2010	1.72	0.53	0.34	0.66	0.17	1.31	1.07	1.06	0.81	1.64
2011	1.63	0.85	0.35	0.79	0.38	0.91	0.97	1.10	1.19	1.32
2012	1.82	1.52	0.54	0.98	0.91	1.47	0.96	1.46	1.70	0.84
2013	2.10	2.34	1.28	3.19	2.45	2.06	0.76	2.18	1.61	0.52
2014	2.57	2.84	1.52	4.15	3.11	2.00	1.56	1.98	2.33	2.03
total	39.14014662	26.992812	26.18789991	46.24298	16.15412742	36.5259695	25.8265538	28.86086623	34.2223	33.903153
mean	2.795724759	1.928058	1.870528565	3.30307	1.153866244	2.60899782	1.84475384	2.061490445	2.44445	2.4216538
s.d	1.471141653	1.9799445	1.955307362	3.646076	1.101780737	2.05949126	1.38024114	1.225001595	2.04478	2.0173317
c.v	52.62111904	102.69112	103.4631279	110.3844	95.48600132	78.9380214	74.8198001	59.42310323	83.6502	83.303885
CAGR	-0.06348953	-0.0638	-0.108547851	-0.073758	0.00394604	-0.08898843	-0.0705596	-0.066392762	-0.07979	-0.094714

(Source: statistical table related to banking sector India)

Interpretation of table 5.9

Among all other public sector bank with respect to this ratio Allahabad bank in performing worst because the NPA of this bank is very high during the time period of the study it is 46%. And Andhra bank is performing best with respect to this ratio because the NPA ratio of this bank is very low among the other public sector bank that is 16 %means Andhra bank is performing very well. If we see the result of C.V than its also showing that there is fluctuation in the performance of Allahabad bank and there is less fluctuation in the performance of SBI bank .overall result of this ratio is showing that Allahabad bank is performing better than other banks and other banks are recovering.

Table no 5.10 NPA of private sector banks in percentage

(Source: statistical table related to banking sector in India)

Interpretation of table 5.10

Among all other private sector bank with respect to this ratio Dhanlaxmi bank in performing worst because the NPA of this bank is very high during the time period of the study it is 3.99 ratio to its advances And HDFC bank is performing best with respect to this ratio because the NPA ratio of this bank is very low among the other public sector bank that is .34 % to its advances means HDFC is performing very well. If we see the result of C.V than its also showing that there is fluctuation in the performance of federal bank and there is less fluctuation in the performance of HDFC bank .overall result of this ratio is showing that HDFC bank is performing better than other banks

Conclusion

Private sector banks are working to earn maximum profit and the responsibility of the growth and the welfare is on Public Sector banks. Public sector banks are working to provide higher loaning amount, credit facility and investment opportunities to weaker section. In the present era, government is working to give the boost to public sector banks to maintain their strong financial position. Basel I, II and III norms are necessary to strong the banking structure to focus on credit risk, capital management and adequate capital to stable any economy. Basel III is

supposed to strengthen banking capital requirements by increasing bank liquidity and bank leverage. Capital requirement is the amount of capital a banks or other financial institution has to hold as required by its financial regulator.

- The following suggestions are offered to improve the performance of public and private sector banks in India.
- The banks should take efforts to reduce the operating expenses by means of improving the efficiency of the non viable branches by utilizing some expert services like professional management, private management and the like.
- Prompt measure should be taken to increase the investment deposit ratio.
- The banks should take some effective steps to increase the credit deposit ratio. Because by this bank performs the credit creation function and this is the main function of any banks .than the banks should take care of this.
- The banks should take efforts to reduce the provision and contingency.
- To overcome with the problem of NPA bank can collect these dues by providing some discount on the payment of over dues.
- The public sector banks should conduct awareness programme among the rural poor about the repayment of loans and saving habits.

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