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Analysis on Shareholder Value Growth of Pre and Post Merged Banks in India

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Abstract

This paper attempts to analyze the financial growth of merged banks in India. Merged form major part of total banking system in India so there is a need to evaluate the performance of these banks. The study is based upon secondary data covering the period from 1990-2010. The study is selected 10 commercial merged banks in India. The Merger & Acquisition also have become the focus of public and corporate policy issues. To facilitate development of policy, it is necessary to measure the outcome of the M&A process on the basis of the growth of the merged banks in terms of financial variables like Deposit, Advances, Investment, Interest income, Revenue, Profit, and Total asset by comparing the growth with pre-merger period. So, this chapter analyzes the growth of merged banks. For the purpose of analysis the Mean, Standard Deviation (SD), and Co - Efficient of Variation (CV), Compound Growth Rate (CGR) and Mean Growth Rate of the financial variables selected for the sample banks have been calculated separately for each bank for the pre-merger and post-merger period.

I.INTRODUCTION

Growth is the basic objective of every firm and banks are not an exception to this. To meet the extend of severe competition that the Indian banks are exposed to on account of the development of private sector banks and invasion of foreign banks on account of globalization process initiated by the government in the year 1991 and to stand in the competitive market, it is necessary for the banks to expand their activities by increasing their capabilities of carrying out wide range of activities and services to meet the modern requirements of business enterprise and thereby enabling it to have cost reduction. For this purpose, the Indian banks have opted for M&A as a strategic tool for fast-track technology led companies. In the rapidly changing environment where technology is embedded in people and process, well planned M&A are recognized as critical which adopt technology and provide services ensuring success and even for survival.

Review of Literature

Ranjan Mujarjee (2007) Carried out a study on “An overview of pre and post M&A deals” with the objective of analyzing the need for the attention of professional in finance, law, strategy etc. the study revealed the danger areas and pit falls of the integration process and due diligence.

Dr. K. Srinivas (2010) Carried out a study on “Pre and Post Merger Performance of Merged Banks in India – A Select Study” with the objective of analyzing the financial performance of spread ratios, burden ratios, profitability ratios, liquidity ratios, solvency ratios, and asset quality ratios need for the attention of professional in finance.

Objective

1. To examine the Shareholder Value Growth of selected Banks between Pre and Post Merger Period.

Hypothesis

1. There is no significant difference between Pre and Post Merger Shareholders Value growth of Selected Banks for the study.

Methodology

The study is analytical in nature, and it is based on secondary data. The information has been collected from the official directory and data base of Centre for Monitoring Indian Economy (CMIE) namely PROWEES. The published annual reports of the selected banks related websites, magazines and journals on finance have also been used as data source. The growth of the merged banks in terms of financial variables like Deposit, Advances, Investment, Interest income, Revenue, Profit, and Total asset by comparing the growth with pre-merger period. So, this

chapter analyzes the growth of merged banks. For the purpose of analysis the Mean, Standard Deviation (SD), and Co - Efficient of Variation (CV), Compound Growth Rate (CGR) and Mean Growth Rate of the financial variables selected for the sample banks have been calculated separately for each bank for the pre-merger and post-merger period.

Analysis and Findings

1. Growth of Deposit of Merged Banks

The important function of traditional banking business is to accept deposit from the customers. The deposit, which are collected from the public, include term deposit, saving bank deposit, demand deposit, miscellaneous deposit and deposit from outside India. Deposits are the main source of funds available to the banks to carry out their function and meeting the requirements of business enterprises. The growth in deposits indicates increased avenues available to the banks during post-merger period. The table 1 describes the changes in deposit Mean, Standard Deviation (SD), Co-Efficient of Variation (CV), Compound Growth Rate (CGR) and Mean Growth Rate of deposit for the sample banks selected for the study for the pre-merger and post-merger period.

Table No 1
Growth of Deposit

| BANKS | PRE-MERGER | | | | POST MERGER | | | | T- VALUE | MEAN GROWTH RATE |
|--------------|------------|---------|-----------|------------|-------------|----------|-----------|------------|-------------|------------------------|
| | MEAN | SD | CV (%) | CGR (%) | MEAN | SD | CV (%) | CGR (%) | | |
| SBI | 2071.76 | 1198.60 | 57.85 | 46.30 | 118470.40 | 33077.80 | 27.92 | 18.29 | 07.86 | 5618.34 |
| UBI | 2105.88 | 1134.50 | 53.87 | 35.99 | 35674.31 | 6619.23 | 18.25 | 12.38 | 11.18 | 1594.03 |
| HDFC | 2534.61 | 1222.45 | 48.23 | 43.92 | 18014.79 | 8732.63 | 48.23 | 37.97 | 03.95 | 610.75 |
| ICICI | 2579.19 | 838.943 | 32.53 | 23.98 | 52911.89 | 32488.90 | 61.40 | 27.77 | 03.46 | 1951.49 |
| HKSBC | 6278.72 | 1353.25 | 21.55 | 11.49 | 37891.26 | 13843.50 | 36.53 | 19.75 | 05.08 | 503.49 |
| SCB | 3229.69 | 713.49 | 22.09 | 09.82 | 21039.15 | 10226.60 | 48.60 | 28.14 | 08.88 | 551.43 |
| BOB | 1448.77 | 502.92 | 34.71 | 24.48 | 55641.21 | 8627.76 | 15.50 | 10.33 | 14.02 | 3740.57 |
| PNB | 1352.61 | 363.49 | 26.87 | 16.24 | 105247.50 | 25356.40 | 24.09 | 16.55 | 09.16 | 7681.06 |
| OBC | 4276.86 | 2148.65 | 50.24 | 29.83 | 17338.52 | 6086.88 | 35.10 | 26.14 | 04.52 | 305.40 |
| IDBI | 5657.86 | 710.25 | 26.63 | 30.68 | 28152.53 | 10074.90 | 35.79 | 14.17 | 04.82 | 397.58 |

It is revealed that all sample merged banks have shown tremendous upwards growth in total deposit after merger. The result indicates that PNB (7681.06%) achieved high growth followed by SBI (5618.34%), BOB (3740.57%), ICICI (1951.49%), UBI (1594.03%), HDFC (610.75%), AXIS (503.78%), IDBI (397.58%) and OBC (305.40%). The consistency of deposit mobilized by the merged bank reflects that HDFC and PNB shown greater consistency in their deposit mobilization. As against this SBI, OBC and UBI with above 50% have shown larger inconsistency in their deposit mobilization program. The application of t-test shows that all merged banks have shown significant change in the average deposit after merger. Thus, it is concluded that the deposit mobilization of merged banks was significantly higher than the pre-merger period.

2. Growth of Advances of Merged Banks

Advances refer to use of deposit in lending to the business enterprises and others. The main purpose of providing advances is to earn returns to meet its cost and earn profit from the main activity of the bank. The advance is provided in the form of loan, cash credit, overdraft, discounting of the bills etc. The increase in advances shows the growth of merged banks. The table 2 describes the changes in advances Mean, Standard Deviation (SD), Co Efficient of Variation (CV), Compound Growth Rate (CGR) and Mean Growth Rate of total advances for the sample banks selected for the study for the pre-merger and post-merger period.

Table No 2
Growth of Advances

| BANKS | PRE-MERGER | | | | POST MERGER | | | | t-Value | MEAN GROWTH RATE |
|--------------|------------|----------|--------|---------|-------------|-----------|--------|---------|---------|------------------|
| | MEAN | SD | CV (%) | CGR (%) | MEAN | SD | CV (%) | CGR (%) | | |
| SBI | 8986.78 | 12059.70 | 134.19 | 90.74 | 65437.25 | 13147.40 | 20.09 | 13.58 | 07.06 | 628.15 |
| UBI | 841.19 | 426.13 | 50.66 | 38.80 | 18065.47 | 5640.47 | 31.22 | 22.78 | 06.81 | 2047.60 |
| HDFC | 1462.33 | 469.72 | 32.12 | 23.97 | 8862.40 | 5906.85 | 66.65 | 53.07 | 02.79 | 506.04 |
| ICICI | 1256.50 | 188.46 | 14.99 | 10.12 | 148183.70 | 217155.00 | 146.54 | 71.88 | 01.51 | 11693.40 |
| HKSBC | 3229.69 | 713.49 | 22.09 | 09.82 | 21039.15 | 10226.60 | 48.61 | 28.14 | 08.89 | 551.43 |
| SCB | 4276.86 | 2148.65 | 50.2 | 29.83 | 17338.52 | 6086.88 | 35.11 | 26.14 | 04.53 | 305.40 |
| BOB | 11581.53 | 1068.59 | 09.23 | 04.84 | 28383.23 | 6049.84 | 21.31 | 14.51 | 06.12 | 145.07 |
| PNB | 709.96 | 142.44 | 20.06 | 12.37 | 63827.90 | 22540.70 | 35.31 | 24.80 | 06.26 | 8890.30 |
| OBC | 3915.47 | 1794.96 | 45.84 | 44.36 | 7862.88 | 2435.92 | 30.98 | 22.46 | 02.92 | 100.82 |
| IDBI | 3631.35 | 2381.58 | 65.58 | 48.83 | 53541.09 | 6050.51 | 11.30 | 03.50 | 17.16 | 1374.41 |

The analysis indicates that ICICI (11639.40%) achieved high growth followed by PNB (8890.30%), UBI (2047.60%), IDBI (1374.41%), SBI (628.15%), AXIS (551.43%), HDFC (506.04%), BOB (145.07%) and OBC (100.82%). The similar pattern of consistency is also evident with regard to the total advance

generation of the banks. The BOB has shown greater consistency and reliability in its advances, SBI and OBC have shown greater inconsistency. The t-Test brought out the fact that all merged banks except ICICI have achieved significant growth of advance. From the above result, it may be pointed out that the Merger & Acquisition have brought out significant growth in the level of advances which resulted in increased return to the banks.

3. Growth of Investment of Merged Banks

Investment refers to the deployment of funds in the securities of another bank including RBI. The main purpose of such investment is to earn a return and to control another company. The banks may make investment in government securities, approved securities, subsidiary companies / associates mutual fund and others. The growth investment gives a confidence that the income received from such investments add to the revenue of the banks. The table 3 describes the changes in deposit Mean, Standard Deviation (SD), Co- Efficient of Variation (CV), Compound Growth Rate (CGR) and Mean Growth Rate of total investment for the sample banks selected for the study for the pre-merger and post-merger period.

Table No 3
Growth of Investments

| BANKS | PRE-MERGER | | | | POST MERGER | | | | t-Value | MEAN GROWTH RATE |
|--------------|------------|---------|--------|---------|-------------|----------|--------|---------|---------|------------------|
| | MEAN | SD | CV (%) | CGR (%) | MEAN | SD | CV (%) | CGR (%) | | |
| SBI | 4083.10 | 2802.18 | 68.63 | 27.27 | 51717.81 | 12049.70 | 23.30 | 43.89 | 08.61 | 1166.63 |
| UBI | 8216.52 | 1537.34 | 18.71 | 12.75 | 14414.29 | 3158.15 | 21.91 | 13.08 | 03.95 | 75.43 |
| HDFC | 1832.42 | 772.96 | 42.18 | 31.99 | 11529.80 | 5424.38 | 47.05 | 35.76 | 03.96 | 529.21 |
| ICICI | 987.32 | 476.96 | 48.31 | 35.41 | 34554.09 | 15959.10 | 46.17 | 46.42 | 04.70 | 3399.79 |
| HKSBC | 3915.47 | 1794.96 | 45.84 | 44.36 | 7862.88 | 2435.92 | 30.98 | 22.46 | 02.92 | 100.82 |
| SCB | 2761.67 | 706.56 | 25.58 | 03.53 | 17816.32 | 7147.88 | 40.12 | 25.04 | 04.69 | 545.12 |
| BOB | 7534.17 | 1182.52 | 15.69 | 10.22 | 21666.29 | 5552.04 | 25.63 | 16.55 | 05.57 | 187.57 |
| PNB | 499.08 | 155.63 | 31.18 | 18.92 | 35151.98 | 18353.50 | 52.12 | 33.25 | 04.22 | 6943.36 |
| OBC | 431.80 | 303.95 | 70.39 | 30.98 | 8428.53 | 3444.22 | 40.86 | 31.31 | 05.17 | 1851.93 |
| IDBI | 2666.66 | 710.51 | 26.63 | 12.75 | 20760.18 | 10110.60 | 48.70 | 00.25 | 03.99 | 678.51 |

The table 3 shows that all sample merged banks have shown tremendous increasing growth in total investment after merger. The result indicates that PNB (6943.36%) achieved high growth followed by ICICI (3399.79%), OBC (1851.93%), SBI (1166.63%), IDBI (678.51%), AXIS (545.12%), HDFC (529.21%), BOB (187.57%) and UBI (75.43%). On the basis of co-efficient of variation of investment, it is identified that all banks UBI, HDFC and ICICI have shown greater consistency. The analysis indicates that BOB and UBI showed more consistency as compared to highly volatile trend of SBI AXIS and IDBI. The analysis of "t" shows that out of 9 merged banks taken for this study, all of them have significant' values.

From the above findings, it may be generated that the investment pattern has significant growth. Hence, it is concluded that the investment of all merged sample banks in the post-merger period is significantly higher than the pre-merger period.

4. Growth of Interest Income of Merged Banks

Interest income is the main source of income of a bank from lending which is the purpose of a bank. It shows the efficiency of the banks in using the deposit mobilized by them effectively. The merged banks are expected to earn a high profit and this interest income fulfills the objective of merger. The table 4 describes the changes in deposit Mean, Standard Deviation (SD), Co-Efficient of Variation (CV), Compound Growth Rate (CGR) and Mean Growth Rate of total interest income for the sample banks selected for the study for the pre-merger and post-merger period.

Table No 4
Growth of Interest Income

| BANKS | PRE-MERGER | | | | POST MERGER | | | | t-Value | MEAN GROWTH RATE |
|--------------|------------|--------|--------|---------|-------------|----------|--------|---------|---------|------------------|
| | MEAN | SD | CV (%) | CGR (%) | MEAN | SD | CV (%) | CGR (%) | | |
| SBI | 539.15 | 128.84 | 23.90 | 15.92 | 14709.56 | 3173.97 | 21.58 | 14.70 | 09.98 | 2628.31 |
| UBI | 604.17 | 151.03 | 24.99 | 16.69 | 3647.79 | 568.59 | 15.59 | 10.56 | 11.57 | 503.77 |
| HDFC | 152.84 | 24.35 | 15.93 | 09.84 | 1640.97 | 713.50 | 43.48 | 36.51 | 04.66 | 973.68 |
| ICICI | 281.91 | 70.14 | 24.88 | 17.72 | 6234.88 | 4157.96 | 66.69 | 73.00 | 03.20 | 2111.67 |
| HKSBC | 669.69 | 161.42 | 24.11 | 02.30 | 2742.97 | 1151.57 | 41.98 | 21.44 | 03.99 | 309.62 |
| SCB | 255.64 | 476.96 | 48.31 | 35.41 | 34554.09 | 15959.10 | 46.19 | 46.42 | 04.70 | 3399.79 |
| BOB | 476.15 | 108.45 | 22.78 | 15.69 | 5561.95 | 542.21 | 09.75 | 06.29 | 20.57 | 1068.12 |
| PNB | 152.39 | 21.16 | 13.89 | 07.26 | 9769.03 | 3324.20 | 34.03 | 18.71 | 06.47 | 6310.71 |
| OBC | 253.62 | 120.75 | 47.61 | 38.32 | 1959.65 | 642.05 | 32.76 | 23.43 | 05.84 | 672.68 |
| IDBI | 559.98 | 116.88 | 20.87 | 13.00 | 1003.94 | 217.24 | 21.64 | 05.72 | 04.02 | 79.28 |

The result indicates that PNB (6310.71%) achieved high growth followed by SBI (2628.31%), ICICI (2111.67%), BOB (1068.12%), HDFC (973.68%), OBC (672.68%), UBI (503.77%), AXIS (309.62%) and IDBI (79.28%). On the basis of co-efficient of variation of total interest income, it is identified that SBI and IDBI have shown greater consistency in their asset formulation. The t-test was used to test the significance of average change in the total interest income of the merged banks. The application of t-test revealed that all merged banks have got significant 't' value in the asset growth. From the above analysis, it may be inferred that the

Merger & Acquisition have generated significantly interest income for all the sample merged banks.

5. Growth of Revenue of Merged Banks

Revenue refers to the return for the resources employed by a concern. Here, the term revenue includes interest earned, commission, exchange, brokerage received, profit on the sale of investment, profit on sale of fixed asset, gain on foreign exchange transaction, dividend income and other miscellaneous receipts of a bank. The growth of revenue represents the growth in the banks and ensures success and survival to the banks. The growth in the revenue during the period post-merger period is analyzed here and it is found that there is a greater increase in revenue during the post-merger period.

Table No 5
Growth of Revenue

| BANKS | PRE-MERGER | | | | POST MERGER | | | | t-Value | MEAN GROWTH RATE |
|--------------|------------|---------|--------|---------|-------------|---------|--------|---------|---------|------------------|
| | MEAN | SD | CV (%) | CGR (%) | MEAN | SD | CV (%) | CGR (%) | | |
| SBI | 397.09 | 170.781 | 43.008 | 29.97 | 17617.29 | 3709.61 | 21.057 | 14.59 | 10.369 | 4336.6 |
| UBI | 2938.138 | 407.525 | 13.87 | 7.29 | 4092.162 | 777.671 | 19.004 | 12.87 | 2.939 | 39.2774 |
| HDFC | 681.058 | 249.731 | 36.668 | 4.88 | 1982.062 | 858.304 | 43.304 | 36.75 | 3.254 | 191.027 |
| ICICI | 359.872 | 92.383 | 25.671 | 18.44 | 8356.704 | 5724.04 | 68.496 | 79.09 | 3.124 | 2222.13 |
| HKSBC | 853.738 | 170.517 | 19.973 | 3.65 | 3422.888 | 1364.23 | 39.856 | 19.72 | 4.178 | 300.93 |
| SCB | 152.386 | 21.160 | 13.886 | 7.26 | 9769.028 | 3324.2 | 34.028 | 18.71 | 6.469 | 6310.71 |
| BOB | 1350.716 | 515.515 | 38.166 | 28.63 | 6448.058 | 795.689 | 12.34 | 8.17 | 12.022 | 377.381 |
| PNB | 189.38 | 49.974 | 26.389 | 18.69 | 8429.966 | 4068.47 | 48.262 | -30 | 4.529 | 4351.35 |
| OBC | 392.96 | 237.217 | 60.367 | 52.42 | 2149.66 | 720.605 | 33.522 | 24.04 | 5.178 | 447.043 |
| IDBI | 685.938 | 178.248 | 25.986 | 17.34 | 5777.892 | 1574.87 | 27.257 | 10.87 | 7.184 | 742.334 |

The analysis indicated that PNB (4351.35%) achieved high growth followed by SBI (4336.6%), ICICI (2222.13%), IDBI (742.334%), OBC (447.043%), BOB (377.381%), AXIS (300.93%), HDFC (191.027%) and UBI (39.277%). On the basis of co-efficient of variation of total revenue, it is identified that UBI and IDBI have shown greater consistency in their revenue. The growth of revenue is stable with consistent increase throughout the period. The t-test was used to test the significance of average change in the total revenue of the merged banks. The application of t-test revealed that all merged banks have got significant 't' value in their revenue growth. From the above analysis, it may be pointed out that the

Merger & Acquisition have generated significantly higher revenue for all the sample merged banks.

6. Growth of Profits of Merged Banks

The profit of any organization is an indication of the efficiency in carrying out its operations. The good operational performance may result in increased sales leading to good profit. The merged firm ensures economies of scale of operation through elimination of overlapping activities, cutting costs by increased number of transactions, optimum utilization of facilities, raising funds at lower cost etc. The merged banks are expected to fulfill the stakeholder of both acquiring and merged banks. To ensure this, the growth in profit is analyzed. The profit used in this analysis refers to profit before tax. The table 6 describes the changes in profit, Mean, Standard Deviation (SD), Coefficient of Variation (CV), Compound Growth Rate (CGR) and Mean Growth Rate of profits for the sample banks selected for the study for the pre-merger and post-merger.

Table No 6
Growth of Profits

| BANKS | PRE-MERGER | | | | POST MERGER | | | | t-Value | MEAN GROWTH RATE |
|--------------|------------|---------|--------|---------|-------------|---------|--------|---------|---------|------------------|
| | MEAN | SD | CV (%) | CGR (%) | MEAN | SD | CV (%) | CGR (%) | | |
| SBI | 34.788 | 6.944 | 19.962 | 12.39 | 1157.05 | 461.092 | 39.851 | 16.53 | 5.442 | 3226 |
| UBI | 74.21 | 17.409 | 23.46 | 16.58 | 256.748 | 183.463 | 71.456 | 43.46 | 2.2150 | 245.975 |
| HDFC | 102.224 | 13.453 | 13.161 | 8.51 | 304.86 | 151.59 | 49.725 | 41.96 | 2.977 | 198.227 |
| ICICI | 29.36 | 12.572 | 42.821 | 34.66 | 4000.378 | 6956.41 | 173.89 | 50.73 | 1.2760 | 13525.3 |
| HKSBC | 5.474 | 157.408 | 2875.6 | - | 439.25 | 147.7 | 33.625 | 17.24 | 4.494 | 7924.3 |
| SCB | 51.646 | 17.002 | 32.92 | 18.48 | 220.316 | 37.153 | 16.864 | 5.30 | 9.231 | 326.589 |
| BOB | 88.638 | 24.702 | 27.869 | 16.90 | 503.514 | 182.629 | 36.271 | 13.83 | 5.034 | 468.057 |
| PNB | -7.31 | 34.1392 | -467 | - | 1268.08 | 287.34 | 22.659 | 15.81 | 9.856 | -17447 |
| OBC | 51.646 | 17.002 | 32.92 | 18.48 | 220.316 | 37.153 | 16.864 | 5.30 | 9.231 | 326.589 |
| IDBI | 67.264 | 41.2869 | 61.38 | 33 | 499.488 | 120.246 | 24.074 | 8.94 | 7.602 | 642.578 |

It is clear that all sample merged banks have shown tremendous positive growth in profits after merger. The analysis indicates that ICICI (13525.3%) achieved highest growth followed by AXIS (7924.3%), SBI (3226%), IDBI (642.578%), BOB (468.057%), OBC (326.589%), UBI (245.975%), HDFC (198.227%) and PNB (17447%). On the basis of coefficient of variation of profit, it is clear that all the banks except OBC and PNB have shown greater consistency in their profit fluctuation. The t-test clearly shows that the all merged bank except ICICI have an increase in the profit earned by them. This shows that growth of profits of all merged banks except ICICI is statistically significant while growth of profit of ICICI is not.

From the above, it may be concluded that the profitability performance of all sample banks except ICICI has witnessed a fairly satisfactory growth.

7. Growth in Total Assets of Merged Banks

Asset is required for a bank to generate earnings. It represents economic resources owned by a firm. The total asset refers to net value of fixed asset and current asset. The growth in total assets indicates the firm's ability to produce large volume of sales and thereby earn large revenue. It is one of the aims of a merged organization to increase its ability to produce large volume of sales through increased asset. The table 7 describes the changes in total assets, Mean, Standard Deviation (SD), Co-Efficient of Variation (CV), Compound Growth Rate (CGR) and Mean Growth Rate of total assets for the sample banks selected for the study period.

Table No 7
Growth of Total Assets

| BANKS | PRE-MERGER | | | | POST MERGER | | | | t-Value | MEAN GROWTH RATE |
|--------------|------------|---------|--------|---------|-------------|---------|--------|---------|---------|------------------|
| | MEAN | SD | CV (%) | CGR (%) | MEAN | SD | CV (%) | CGR (%) | | |
| SBI | 808.38 | 362.471 | 44.839 | 33.30 | 160810.6 | 44816.7 | 27.869 | 19.71 | 7.983 | 19792.9 |
| UBI | 5676.946 | 7244.88 | 127.62 | 42.57 | 40130.43 | 7812.52 | 19.468 | 12.97 | 7.231 | 606.902 |
| HDFC | 2721.08 | 898.037 | 33.003 | 22.50 | 24791.122 | 41.2 | 49.378 | 38.41 | 4.021 | 811.077 |
| ICICI | 3187.732 | 961.643 | 30.167 | 21.60 | 105408.2 | 54194.1 | 51.413 | 56.39 | 4.217 | 3206.68 |
| HKSBC | 7400.01 | 1512.97 | 20.445 | 7.14 | 46261.07 | 18059.1 | 39.037 | 21.68 | 4.795 | 525.149 |
| SCB | 51.646 | 17.002 | 32.92 | 18.48 | 220.316 | 37.153 | 16.864 | 5.30 | 9.231 | 326.589 |
| BOB | 1525.472 | 857.993 | 56.244 | 42.73 | 64302.32 | 9611.39 | 14.947 | 9.98 | 14.547 | 4115.24 |
| PNB | 1464.868 | 361.351 | 24.668 | 13.94 | 124560.4 | 30961 | 24.856 | 17.55 | 8.890 | 8403.18 |
| OBC | 1410.744 | 518.959 | 36.786 | 27.10 | 19547.66 | 6701.92 | 34.285 | 25.22 | 6.033 | 1285.63 |
| IDBI | 7231.666 | 3610.24 | 49.923 | 33.27 | 91339.1 | 8139.53 | 8.911 | 2.63 | 21.121 | 1163.04 |

From the above table, it is clear that all sample merged banks have shown tremendous upward growth in total assets after merger. The analysis indicates that SBI (8403.18%) achieved highest growth, followed by PNB (8403.18%), BOB (4115.24%), ICICI (2306.68%), OBC (1285.63%), IDBI (1163.04%), HDFC (811.077%), UBI (606.902%) and AXIS (525.149%). On the basis of co-efficient of variation of total assets, it is identified that OBC and PNB have shown greater consistency in their asset formation. The t-test was used to test the significance of average change in total asset of the said banks after merger. The application of t-test revealed that all merger banks got significant 't' values in their asset growth. From the above, it may be inferred that the M&As have fairly helped to maximize/optimize total assets of the merged banks.

IMPACT OF t- TEST

The use of t-test revealed the fact that whether the merged banks have significant growth after merger. The impact of the merger on the selected variables for the study is shown in the following table.

Table No 8
IMPACT OF t- TEST

| Banks | Asset | Profit | Income | Investment | Deposit | Advance | Interest Income |
|-------|-------|--------|--------|------------|---------|---------|-----------------|
| SBI | S | S | S | S | S | S | S |
| UBI | S | S | S | S | S | S | S |
| HDFC | S | S | S | S | S | S | S |
| ICICI | NS | S | S | S | S | S | S |
| HKSBC | S | S | S | S | S | S | S |
| SCB | NS | S | S | S | S | NS | S |
| BOB | S | S | S | S | S | S | S |
| PNB | S | S | S | S | S | S | S |
| OBC | S | S | S | S | S | S | S |
| IDBI | S | S | S | S | S | S | S |

S= Significant

NS= Not Significant

From the table 8 shows it is found that, the growth of the selected variables is significant in all the cases except total assets of UBI and ICICI. It is concluded that the growth of merged banks in terms of selected variable is more prominent.

Findings

1. The study discloses that the merged banks show upward growth in total deposits having highest growth achieved by PNB (7861.06).
2. It is inferred from the study that the merged banks have increased level of advances during post-merger compared to the pre-merger period with the highest growth achieved by ICICI (11639.4%).
3. It is concluded from the study that the merged banks achieved marginal growth in their total investment registering a highest growth by PNB with 6943.36%.
4. The study reveals that there is greater increase in revenue during post-merger period with the highest growth by PNB (4351.35%).
5. It is understood from the study that there is good increased in profits of all banks registering a highest growth by ICICI.

6. The study indicates that the merged banks have increased level of interest income during post-merger period to the extent of 6310.71% by PNB.
7. It is a telling fact that the merged banks have tremendous upward growth in total assets after merger with highest growth by SBI (8403.18%)
- 8.

Findings from the analysis of using statistical tools Use of t-Test in analyze

It is inferred from the study that the growth of the selected variables is more prominent in case of all the financial variables selected for the study except the total assets of UBI and ICICI and the advances of ICICI.

Suggestions

1. The growth of deposits not on remarkable level of all the selected banks. Hence, the banks must make all the measurement to improve deposits of all kinds. The banks must accept all kinds of deposits for the purpose of enhancing the total amount in deposits.
2. The growth of investments of banks shows the marginal growth, It is not enough. The high growth of investment all one earn more interest income. The bank may able to pay to its deposits any by way of increasing their investment. Hence investment should be increased at the maximum possible.
3. The deposit of the selected banks increased but not an remarkable level. Hence it is suggested that the profitability of the banks may be increased at the maximum possible level.
4. The total investment of the selected banks is marginally increased. The banks should take steps to increase their total investment. Because without earnings the banks cannot pay operating expenses. So, at for maximum, all the banks must improve its total investments.

II.CONCLUSION

The new economic environment of the 1990s has facilitated Merger & Acquisition between banks. The present study indicated average performance of acquiring banks based on all indicators during the study period was relatively better. But it could not be concluded as evidence of improvement in terms of various parameters. With supported relative information a correct position can be identified. The policy makers can use the findings of the study as a base for framing policies relating to Merger & Acquisition in service sector. Also, it identifies the areas of improvement for better profitability and performance for the banks. The investors could decide their investments in the service sector and the researchers can base this study for their future research activities in the area of Merger & Acquisition.

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