Financial Performance of the Top Most Home Appliances Companies in India with Special Reference to Bajaj Electrical Ltd. and TTK Prestige Ltd

P. Kasthuri, C. Rajendran

Abstract: The study examined the relationship between two top most home appliances companies (Bajaj electrical Ltd. and TTK Prestige Ltd.) in India. The objective of the study is to analyse liquidity, profitability and activity ratio of the selected companies. The three ratios are analysed using correlation and regression within the company and compared with other company. The data are collected from the annual report of concern companies. Recent for selecting home appliances company is, the fast moving electronic product with the daily usage is high in the society.

Keywords: Ratio, home appliance, liquidity, profitability and activity.

I. INTRODUCTION

Home appliance industry is one of the fastest growing industries in India. Profitability ratio and liquidity ratio are the most observed in all the companies and industry to determine the financial performance of the company. Profitability ratio is used to assess the company ability to generate income from revenue. Liquidity ratio indicates the ability of company pay off short term obligations. Activity ratio tells that company usually try to turn their manufacture into cash or sales as soon as possible since it will generate greater revenues. All the three ratios are important and to be considered for the company’s financial performance analysis.

A. Importance of the study

Financial Performance of the company is considered as a significant one for savers, investors and economy all in all. The profit on speculation is significant for the individuals who are speculators. A decent return for their speculation is viewed as exceptionally important. A sound business would bring decent and long span returns for their venture. Additionally, a high gainfulness in a company is the indication of good pay for the representatives.

High Profitability results creation of good quality items for its clients and produce greater work openings. It is obvious from a large portion of the explores that both financial and non-budgetary issues of numerous organizations effects their monetary presentation.

In this specific situation, it is important to evaluate the chosen company financial execution utilizing file for Liquidity, Activity and Profitability.

II. REVIEW OF LITERATURE

A. Ajanthan (2013) the study is based on Nexus between liquidity and profitability ratio of a trading company in Sri Lanka. The study is to find out the relationship between two performance measures. The data extracted from annual report and accounts of the company. The correlation and regression are engaged to examine the relationship between the variables. The findings suggest that there is a significant relationship exists between liquidity and profitability of the trading company.

Venkateswararo P, Hema Venkata siva sree ch (2018) a research on working capital management in Radhika vegetables oil Pvt. Ltd. The result of the study operating leverage is good for 3 years, financial leverage is good for 8 years, combines leverage is good for 4 years.

B. Research problem

Maintaining good liquidity, profitability and activity will create good reputation in the field. How to maintain is a problem, it has to be analysed from previous year and past previous years etc. from that it can be assumed but not exact. The company’s liquidity, profitability and activity should be sound’s good if not it will affect the goodwill of the company. The study is analysed between two top most home appliance company in India (Bajaj electrical Ltd. and TTK prestige Ltd.) ratios taken for the study is liquidity, profitability and activity ratios.

C. Objectives of the study

To analyse the selected home appliances companies in India. Using analyse

• Trends in Liquidity, Trends in Profitability and Trends in Activity.

III. RESEARCH METHODOLOGY

A. Research design: The approach of the study is conducted with selection of sample. Period of the study and data source.

B. Selection of samples - The two top most home appliance companies are selected for the study on the basis of market capitalization Bajaj Electricals Ltd., (BEL) and TTK Prestige Ltd.

C. Period of the study - is 5 years 2014-2018 for the both the companies. Data is being used to analyse trends of liquidity, profitability and activity ratios.
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D. Data source- Secondary data have taken for the study from money control.com.

IV. MODE OF ANALYSIS

In the data are analysed using Correlation and Regression in SPSS (Statistical package for Social Sciences).

Calculation of Profitability, Liquidity and Activity Ratios.

| Profitability Ratios | GPR=GP/Net sales*100 |
|----------------------|-----------------------|
| NPR= NP/Net sales*100 |
| Liquidity Ratios     | CR= Current assets / Current liabilities |
| QR= Quick assets/Current liabilities |
| Activity Ratios      | DTR=Net credit sales/Average debtors |
|                      | FATR=Sales/Net Fixed assets. |

All the 6 ratio are compared using correlation model in two companies BEL AND TTK prestige.

Table-I Correlations of TTK Prestige

|      | CR     | QR     | GP R   | NPR    | DTR    | FAT R  |
|------|--------|--------|--------|--------|--------|--------|
| CR   | 1.00   | -       | -      | -      | -      | -      |
| QR   | -       | 1.00   | -      | -      | -      | -      |
| GP R | -      | -      | 1.00   | -      | -      | -      |
| NPR  | -      | -      | -      | 1.00   | -      | -      |
| DTR  | -      | -      | -      | -      | 1.00   | -      |
| FAT R| -      | -      | -      | -      | -      | 1.00   |

Table II

Interpretation: The correlation between 3 ratios of 6 variables of TTK prestige. Net profit ratio and Debtors turnover ratio is highly significant i.e. strong degree of correlation among two ratios. Debtors turnover ratio and fixed asset turnover ratio is significant at 0.01 level i.e. correlated among two ratios. All others ratios are not correlated.

Hypothesis: 1. There is no significant relationship between Liquidity, Profitability and Activity ratios in TTK prestige Ltd.

A. Correlation Analysis

The Pearson’s r value is close to 1 show the strong relationships between two variables and close to 0 show that there was strongly not correlated between two variables.

1. *. Correlation is significant at the 0.05 level (2-tailed).
2. **. Correlation is significant at the 0.01 level (2-tailed).
3. Positive (+) value indicate that, one variable is increased second variable also increase is said to be positive correlation.
4. Negative (-) value indicate that, one variable is increased and second variable is decreased is said to be negative correlation.

Fig: 1 TTK prestige

Fig: 1 Shows the 6 ratios of TTK prestige, in CR there is an increase from 2015-16, in 2017-18 decreased, QR in increase in 2015-15, decrease in 2016-17 again increased in 2018, GP and NP up and down are there finally increased huge in 2018, DTR up and down are there finally decreased in 2018 and FATR remain standard increased in 2018.

Fig: 2 BEL

Fig: 2 Shows the 6 ratios of BEL, in CR is standard in all the years, QR is decreased in 2016 then gradual increase, GP is increased rapidly in all years, NP increased in 2016-17 decreased in 2018, DTR is standard and FATR decrease in 2015 and increased in other 3 years.
| Table II: Correlations of BEL |
|-----------------------------|
| **CR**                      |
| Pearson’s **r**              |
| Sig. (2-tailed)              |
| **Q**                       |
| Pearson’s **r**              |
| Sig. (2-tailed)              |
| **GPR**                      |
| Pearson’s **r**              |
| Sig. (2-tailed)              |
| **NPR**                      |
| Pearson’s **r**              |
| Sig. (2-tailed)              |
| **DTR**                      |
| Pearson’s **r**              |
| Sig. (2-tailed)              |
| **FATR**                     |
| Pearson’s **r**              |
| Sig. (2-tailed)              |

| **CR** | **Q** | **GPR** | **NPR** | **DTR** | **FATR** |
|--------|-------|---------|---------|---------|----------|
| Pearson’s **r** | 1 | -0.547 | 0.398 | 0.272 | 0.087 | -0.539 |
| Sig. (2-tailed) | 0.340 | 0.507 | 0.658 | 0.890 | 0.348 |
| Pearson’s **r** | 0.547 | 1 | 0.324 | 0.223 | -0.704 | 0.863 |
| Sig. (2-tailed) | 0.340 | 0.595 | 0.719 | 0.185 | 0.060 |
| Pearson’s **r** | 0.398 | 0.324 | 0.943* | -0.729 | 0.483 |
| Sig. (2-tailed) | 0.507 | 0.595 | 0.016 | 0.162 | 0.410 |
| Pearson’s **r** | 0.272 | 0.223 | 1 | -0.589 | 0.533 |
| Sig. (2-tailed) | 0.658 | 0.719 | 0.016 | 0.296 | 0.356 |
| Pearson’s **r** | 0.087 | -0.704 | -0.729 | -0.589 | 1 | -0.593 |
| Sig. (2-tailed) | 0.185 | 0.162 | 0.296 | 0.292 |
| Pearson’s **r** | -0.539 | -0.863 | 0.483 | 0.533 | -0.593 | 1 |
| Sig. (2-tailed) | 0.340 | 0.060 | 0.410 | 0.356 | 0.292 |

*Correlation is significant at the 0.05 level (2-tailed).

**Interpretation:** The correlation between 3 ratios of 6 variables of BEL. Gross profit ratio and Net profit ratio is significant at 0.01 level i.e. correlated among two ratios. All others ratios are not correlated.

**B. REGRESSION ANALYSIS**

**Regression model** is used, independent variable is liquidity and profitability ratio; dependent variable is profitability and activity ratios in both the companies BEL AND TTK prestige.

**Impact on current profit ratio, quick ratio, gross profit ratio and net profit ratio of TTK Prestige**

H0- There is no significant relationship between Liquidity ratio and Profitability ratio.

H0- There is no significant relationship between Profitability ratio and Activity ratio.

Y= (Gross profit ratio, Net profit ratio, Debtors turnover ratio and Fixed asset turnover ratio)

**Table III: Regression**

| Independent variable | Co-efficient | R² | F | P Value | Result |
|----------------------|--------------|----|---|---------|--------|
| **CR**               | (Constant)   | 4.373 | .442 | .791 | .558 | Reject |
|                      | GPR          | -.269 |    |       |       |        |
|                      | NPR          | .051 |    |       |       |        |

| **QR**               | (Constant)   | 1.591 | .395 | .654 | .605 | Reject |
|                      | GPR          | -.079 |    |       |       |         |
|                      | NPR          | .023 |    |       |       |         |
| **GPR**              | (Constant)   | 26.279 | .541 | 1.178 | .459 | Reject |
|                      | DTR          | -1.672 |    |       |       |         |
|                      | FATR         | -.292 |    |       |       |         |
| **NPR**              | (Constant)   | 54.077 | .926 | 12.56 | 5 | 0.74 | Reject |
|                      | DTR          | -5.608 |    |       |       |         |
|                      | FATR         | 1.119 |    |       |       |         |

**Interpretation:** The above table shows the regression, as independent variable is liquidity and profitability ratio; dependent variable is profitability and activity ratios.

R-value shows the square root of R squared and correlation between the observed and predicted values. R-Square value shows the independent variables can be predicted from the variables of dependent variables. F-value shows the mean square regression. Sig. value> (0.05) can conclude that independent variables are predict the dependent variable. Sig. value< (0.05) can conclude that independent variables does not shows the significant relationship between the dependent variable.

**Impact on current profit ratio, quick ratio, gross profit ratio and net profit ratio of BEL**

H0- There is no significant relationship between Liquidity ratio and Profitability ratio.

H0- There is no significant relationship between Profitability ratio and Activity ratio.

Y= (Gross profit ratio, Net profit ratio, Debtors turnover ratio and Fixed asset turnover ratio)

**Table IV: Regression**

| Dependent variable | Co-efficient | R² | F | P Value | Result |
|--------------------|--------------|----|---|---------|--------|
| **CR**             | (Constant)   | 1.167 | .255 | .342 | .745 | Reject |
|                    | GPR          | .007 |    |       |       |         |
|                    | NPR          | -.09 |    |       |       |         |
| **QR**             | (Constant)   | 1.591 | .166 | .199 | .834 | Reject |
|                    | GPR          | -.079 |    |       |       |         |
|                    | NPR          | .023 |    |       |       |         |
| **GPR**            | (Constant)   | 21.826 | .53 | 1.15 | 2 | .465 | Reject |
|                    | DTR          | -6.187 |    |       |       |         |
|                    | FATR         | .218 |    |       |       |         |
| **NPR**            | (Constant)   | 3.510 | .39 | 3 | .662 | .602 | Reject |
|                    | DTR          | -2.130 |    |       |       |         |
|                    | FATR         | .442 |    |       |       |         |

**Interpretation:** The above table shows the regression, as independent variable is liquidity and profitability ratio; dependent variable is profitability and activity ratios.
R value shows the square root of R squared and correlation between the observed and predicted values. R-Square value shows the independent variables can be predicted from the variables of dependent variables. F value shows the mean square regression. Sig. value> (0.05) can conclude that independent variables are predict the dependent variable. Sig. value< (0.05) can conclude that independent variables does not shows the significant relationship between the dependent variable.

V. FINDINGS

A. Correlation

TTK Prestige- Net profit ratio and Debtors turnover ratio is highly significant that is strong degree of correlation among two ratios.
Debtors turnover ratio and fixed asset turnover ratio is significant at 0.01 level i.e. correlated among two ratios.
BEL- Gross profit ratio and Net profit ratio is significant at 0.01 level i.e. correlated among two ratios.

B. Regression

Table V: Result of the study

| Company | Hypothesis | Result |
|---------|------------|--------|
| TTK     | There is no significant relationship between Liquidity ratio and Profitability ratio. | Rejected |
| TTK     | There is no significant relationship between Profitability ratio and Activity ratio. | Rejected |
| BEL     | There is no significant relationship between Liquidity ratio and Profitability ratio. | Rejected |
| BEL     | There is no significant relationship between Profitability ratio and Activity ratio. | Rejected |

VI. CONCLUSION

The present study aims to analyse the financial performance of two top most home appliance companies in India, duration taken for the period is 5 years from 2014-2018 for both the companies. The study evaluates the working capital on profitability of the companies along with that trend of liquidity and activity ratios for both the companies. Most of the ratios are not correlated with other ratios in both the companies. Only 2 ratios are correlated in TTK prestige and 1 ratio in BEL using correlation of co-efficient. Using regression model it is evaluated that there is no variables dependent on other variables in both companies.

REFERENCES
1. A. Ajanthan (2013), A Nexus between Liquidity and Profitability: A study of trading Companies in Sri Lanka, European Journal of Business and Management, ISSN 2222-1905 (Paper), ISSN 2222-2839 (Online), Vol. 5, No. 7.
2. Dr.R.Jayanthi(2017), Financial performance analysis of Butterfly Gandhimathi Appliances Ltd., Chennai: A case study, International journal of Academic Research and Development, Vol. 3, Issue 1; Jan 2018
3. Dr.R.Jayanthi(2018), A comparative study on the financial performance analysis of TTK prestige Ltd and Hawkins Cooker Ltd in India, National Journal of Multidisciplinary Research and development, ISSN:2455-9040, vol.3 Issue 3.
4. Saigeetha, S. Dr. Sunilvel ST. A study on Financial Performance using Ratio Analysis of BHEL, Trichy, International Journal of Innovative Research in Management Studies(IJIRMS) 2017.
5. M Pandey “ Financial Management”, 9thvikas publishing private ltd
6. Shashi k. Gupta and R.K. Sharam “Financial Management”, 7th edition kalyani publishers.
7. A. Murthy and S.Gurusamy “Management Accounting”, Vijay Nicole imprints private ltd.
8. V. Venkatachalam “ Working Capital Management” study on mahindra and mahindra private ltd , volume:5 Indian journal of research.
9. V.R.Palanivelu and B.Saraswathi devi “ Working Capital Management, studies on steel authority of india ltd, volume 4 Indian journal of applied research.
10. Aggarwal, Nidhi (2015), “Comparative Financial performance of Maruti Suzuki India Ltd. and Tata Motors Ltd., ” International Journal in management and Social Science, 3(7),pp.-68-74
11. Becker, Dieter (2015),“KPMG’s Global automotive Executive Survey,” pp. 1-40.
12. David, D. (1959), Cost of Debt and Equity Funds for Business: Trends and Problems of Measurement. In The Management of Corporate Capital. Edited by Ezra Solomon. New York: The Free Press.
13. Dharanraj, A. and Kathirvel (2013), “Financial performance of Indian Automobile industry- A comparative study during pre and post foreign direct investment.” International journal of Scientific Research, 2(9), pp.-54-56
14. Jani, Rakesh Kumar, RasilaLal&Satyaki J. Bhatt (2015), “Capital StructureDetermines : A case study of Automobile industry,”International journal of Research and Analysis Reviews, 2(1), pp.-67-71
15. Khan MY; Jain PK, “Financial Management text, problems and cases”, Tata MC Graw Hill Education Private Limited, New Delhi, 2012.
16. Kumar, Sumesh and Gurbachankaur Bhatia (2014), “Financial Performance of Indian automobile companies after liberalization: A comparative study of Maruti Suzuki and Tata Motors,” International Journal of advances research in Management and SocialScience, 3(9), pp.-186-195
17. Modigliani, F & Miller, H.M. (1958).The cost of capital, corporation finance and theory of investment. The American economic Review. XL8, pp.261-297
18. Solomon, E. (1963).The Theory of Financial Management. New York: Columbia University Press,Smith, K. V. (1980).Profitability and Liquidity trade -off WCM. In reading on the management of working capital (PP.549-562).

AUTHOR PROFILE

P.kasthuri, PT, Research scholar in Govt. Arts College, Salem 7. Working as Assistant professor, in Shri Sakthikailash women’s College. Published 5 articles and interested in financial analyzing.

Dr.C.Rajendran, Retd. Assistant Professor, in Govt. Arts College, Salem 7. Published more than 10 articles and interested area is financial management.