

## **PREFACE**

A recent upsurge of illegal and ethical misconduct incidents spanning the globe has intensified public scrutiny of corporate behavior. Corporate Social Responsibility (CSR) is not a mere business buzzword or a fad, rather one of the most promising management topics of mounting significance for businesses. Proponents argue that there is a robust business case for CSR, as the corporations benefit in multiple ways by operating with a wider perspective which goes beyond their short-term profits. Some critics argue that CSR sidetracks from the essential economic role of businesses; others opine that it is nothing more than artificial window-dressing; others yet are of the belief that it is an endeavor to pre-empt the role of governments as a watchdog over influential multinational corporations. In the foreign studies studied till date, possibly the maximum studied facet of CSR has been its link to Corporate Financial Performance (CFP). India has a lot of scope for research in this area. There is a dearth of such literature and need for the study on CSR Initiatives and its disclosure and CFP, is being deeply felt, especially in the Automotive Sector. Unlike prior research, this study, out of the total population of 492 companies, examined 26 automotive companies for a period of five years, to study the relationship between Disclosure(s) of CSR initiatives and the Financial Performance of the companies using Content Analysis and Multiple Regression Analysis. Then, through questionnaires served to 450 middle level and senior level employees, the perception of employees regarding the implementation of the new

Companies Act 2013 provisions being followed by the companies was studied and analysed using Percentage and Pie Charts followed by a detailed analysis of the relationship between CSR initiatives and the CFP through Exploratory Factor Analysis (EFA) and Structural Equation Modelling (SEM) using statistical program IBM SPSS (Statistical Product and Service Solutions, developed by SPSS Company of America,) Statistics 20 and AMOS 22. The results indicated that there has been a substantial increase in the disclosure of CSR initiatives by the companies. However the results are not evident of any relationship between the CSR information disclosure and CFP of the firm. The study also found that the employees' perception about the CSR initiatives taken by their companies confirm that there exists a weak but significant and positive relationship between corporate social responsibility initiatives taken by the companies and corporate financial performance.

Since, not much research has been done in the field of CSR and its disclosure in India, especially in the automotive sector, this study would be a significant contribution to the existing body of knowledge. The Indian companies' managers can be acquainted with the reporting guidelines followed internationally and the same can be made a strict and mandatory internal policy, to make themselves globally competitive in the area of social responsibility. The study of relationship between CSR and CFP may give an insight to the companies to take a judicious decision regarding investment in CSR initiatives.

## CERTIFICATE

This is to certify that the work incorporated in the thesis entitled “**A Study of Relationship between Corporate Social Responsibility Initiatives and its Disclosure(s) and Corporate Financial Performance of Select Companies in Automotive Sector in India**” for the degree of ‘Doctor of Philosophy’ in the subject of Management Studies under the Faculty of Management Studies has been carried out by Mrs. Shilki Bhatia in the Department of Management at Bharati Vidyapeeth University, Pune during the period from 2011 to 2015, under the guidance of Dr. N.K.Gupta.

**Place:** Delhi

(Signature of Head of the Institute with seal)

**Date:**

(Principal / Director)

## **CERTIFICATION OF GUIDE**

This is to certify that the work incorporated in the thesis entitled “**A Study of Relationship between Corporate Social Responsibility Initiatives and its Disclosure(s) and Corporate Financial Performance of Select Companies in Automotive Sector in India**” submitted by Shilki Bhatia for the degree of ‘Doctor of Philosophy’ in the subject of Management Studies under the Faculty of Management Studies has been carried out in the Department of Management, Bharati Vidyapeeth University, Pune during the period from 2011 to 2015, under my direct supervision/ guidance.

**Place:** Delhi

(Signature of Research Guide)

**Date:**

Dr. N.K. Gupta

(Associate Professor, University of Delhi)

## **DECLARATION BY THE CANDIDATE**

I hereby declare that the thesis entitled “**A Study of Relationship between Corporate Social Responsibility Initiatives and its Disclosure(s) and Corporate Financial Performance of Select Companies in Automotive Sector in India**” submitted by me to the Bharati Vidyapeeth University, Pune for the degree of Doctor of Philosophy (Ph.D.) in Management Studies under the Faculty of Management Studies is original piece of work carried out by me under the supervision of Dr. N.K. Gupta.

I further declare that it has not been submitted to any other university or Institution for the award of any degree or Diploma.

I also confirm that all the material which I have borrowed from other sources and incorporated in this thesis is duly acknowledged. If any material is not duly acknowledged and found incorporated in this thesis, it is entirely my responsibility. I am fully aware of the implications of any such act which might have been committed by me advertently or inadvertently.

Place :

Name & Signature

Date :

Research Student

## ACKNOWLEDGEMENT

Time flies.....

I still don't forget that day when I travelled to Pune by air (all alone for the first time in my life) for my PhD Interview with BVP University. The last four years that have slipped by so fast have made me witness many new challenges academically and professionally.

The childhood dream of being a doctorate would not have been realized without the contributions of many people. I would like to express my gratitude to everyone who helped me to complete the study and make this thesis happen.

First of all, my sincere thanks to my supervisor, Dr. N K Gupta, for his constant support and guidance from the very beginning of the research process. He enthused me to take-up the challenging tasks with full enthusiasm and complete the research. Without his continuous invaluable help and directions, the thesis would never have been completed.

I would also like to express my sincere gratitude and deep regards to Dr. Vikas Nath, Director, BVIMR for his exemplary guidance and inputs throughout the course of my doctoral programme. I cannot thank him enough for sparing time out of his busy schedule and guiding me. I would express my deepest gratitude to my colleague, Ms Pratiksha Tiwari, who had been a great help in making me learn statistics. Without her support, my thesis would not have taken the current shape.

I am obliged to MDI Gurgaon, IIM Lucknow (Noida Campus), FMS (University of Delhi) BVIMR, and my own place of work, DIAS (IP University) for giving access to their libraries and systems to collect the data for my study.

My special thanks to all the HR managers, CSR managers who have spared their valuable time for filling the questionnaire and making my research possible.

I would be doing injustice to myself if I don't acknowledge the supreme power: the Mother Nature, of whom I am a creation through my loving parents. Also, a very special thanks to my mother, who ignited the light in me of taking the biggest assignment in my professional career. I am grateful to my father from whom I inherited diligence, patience and determination to face challenges with a smiling face. He had been an unspoken force in shaping my individuality. My special thanks to my mother in law who has helped me in taking my household responsibilities on her so that I could concentrate. I also appreciate the emotional support of my brother-in-law, Mr. Sunil Bedi, who had always posed trust in my potential and has given confidence to complete this difficult task in time.

At the last, the most important acknowledgement is for my better half-my husband Dinkar Bhatia and my lifeline, my son Aarav. I sincerely thank my husband for his continual and unconditional support, understanding and helping me all along my journey of research. I thank and salute him for excellently being both a mother and a father to my ten year old son. My all love and blessings with a heartfelt thanks to my son who acted as a well behaved and an independent child and gave me a constant source of motivation to complete my task as soon as possible to spend more and more quality time with him.

Thank you the supreme power to having blessed me with such a beautiful life and beautiful people around who could help me chase and live my dream.

## **CHAPER SCHEME**

### **CHAPTER 1: INTRODUCTION**

|  |    |
|--|----|
| 1.1 Corporate Social Responsibility (CSR)-An Insight | 1  |
| 1.2 Background of the Study                          | 2  |
| 1.3 Problem Statement                                | 4  |
| 1.4 Research Gap                                     | 6  |
| 1.5 Justification of Study                           | 7  |
| 1.6 Research Objectives                              | 9  |
| 1.7 Significance of the Study                        | 10 |
| 1.7.1 Theoretical Concern                            | 10 |
| 1.7.2 Practical Concern                              | 11 |
| 1.8 Limitations                                      | 12 |
| 1.9 Organisation of Dissertation                     | 12 |

### **CHAPTER 2: LITERATURE REVIEW**

|   |    |
|---|----|
| 2.1 Historical Perspective of CSR Abroad and in India | 15 |
| 2.2 Some Previous Researches in CSR                   | 18 |
| 2.3 Triple Bottom Line Reporting                      | 34 |
| 2.4 Emerging CSR Theories and Models in India         | 36 |
| 2.4.1 CSR Theories                                    | 36 |
| 2.4.1.1 Instrumental Theory /Utilitarian Theory       | 36 |
| 2.4.1.2 Political Theory/ Institutional Theory        | 37 |
| 2.4.1.3 Ethical Theory/ Legitimate Theory             | 38 |
| 2.4.1.4 Integrative Theory / Stakeholder Theory       | 38 |

|       |   |    |
|-------|---|----|
| 2.4.2 | CSR Carroll's Model                         | 40 |
| 2.5   | CSR and Financial Performance               | 42 |
| 2.6   | Measures of Corporate Social Responsibility | 45 |
| 2.7   | Measures of Corporate Financial Performance | 47 |
| 2.8   | Corporate Social Responsibility Disclosure  | 48 |
| 2.9   | Relationship between CSR Disclosure and CFP | 52 |
| 2.10  | Conclusions                                 | 54 |

### **CHAPTER 3: THEORETICAL FRAMEWORK**

|         |   |    |
|---------|---|----|
| 3.1     | Corporate Social Responsibility (CSR)-An Insight                            | 56 |
| 3.1.1   | Definition of CSR   | 57 |
| 3.1.2   | Related Terminology with CSR  | 60 |
| 3.1.3   | Need of Corporate Social Responsibility                                     | 63 |
| 3.2     | CSR Initiatives in Automotive industry                                      | 65 |
| 3.3     | CSR Disclosure  | 67 |
| 3.3.1   | CSR Reporting   | 67 |
| 3.3.2   | CSR Reporting Guidelines`   | 68 |
| 3.3.2.1 | Global Reporting Initiative G-3 Framework (GRI-G-3)                         | 68 |
| 3.3.2.2 | Companies Act, 2013   | 72 |
| 3.3.2.3 | National Voluntary Guidelines by Ministry of Corporate<br>Affairs (MCA-NVG) | 76 |
| 3.3.2.4 | ISO-26000   | 77 |
| 3.3.2.5 | United Nations Global Compact (UNGC)  | 78 |

|         |   |    |
|---------|---|----|
| 3.3.2.6 | Accountability AA1000 Assurance Standards | 80 |
| 3.3.2.7 | Business Responsibility Report (BRR)      | 81 |

## **CHAPTER 4: RESEARCH METHODOLOGY**

|         |   |     |
|---------|---|-----|
| 4.1     | Target Population   | 83  |
| 4.2     | Sample for the Study  | 83  |
| 4.3     | Period of Study   | 84  |
| 4.4     | Data Collection   | 84  |
| 4.4.1   | Secondary Data  | 85  |
| 4.4.1.1 | Creation of Corporate Social Responsibility<br>Disclosure Index (CSRDI) | 87  |
| 4.4.2   | Primary Data  | 89  |
| 4.4.2.1 | Questionnaire Development   | 91  |
| 4.5     | Identification of Variables   | 96  |
| 4.5.1   | Independent Variables   | 96  |
| 4.5.2   | Dependent and Controlled Variables                                      | 98  |
| 4.6     | Hypotheses Development  | 100 |
| 4.7     | Statistical Tool and Techniques (Hypothesis 1 to 8)                     | 103 |
| 4.7.1   | Content Analysis-Coding Procedure                                       | 103 |
| 4.7.2   | Multiple Regression Analysis  | 105 |
| 4.8     | Statistical Tool and Techniques Used (Hypothesis 9)                     | 109 |
| 4.8.1   | Exploratory Factor Analysis (EFA)                                       | 110 |
| 4.8.2   | Structural Equation Modeling (SEM)                                      | 111 |
| 4.8.2.1 | Model Fit   | 112 |

## **CHAPTER 5: ANALYSIS AND INTERPRETATION**

|         |  |     |
|---------|--|-----|
| 5.1     | Section A: Corporate Social Responsibility Disclosure          | 114 |
| 5.1.1   | Guidelines for CSR Disclosure                                  | 115 |
| 5.1.2   | Year-wise Disclosure Analysis of CSR Practices by<br>Companies | 118 |
| 5.2     | Section B: Relationship between CSR Disclosure and CFP         | 119 |
| 5.2.1   | Descriptive Statistics   | 122 |
| 5.2.2   | Multiple Regression Analysis                                   | 123 |
| 5.3     | Section C: Employees' Perception on Companies Act 2013         | 141 |
| 5.3.1   | Demographic Profile of Respondents                             | 141 |
| 5.3.2   | Employees' Perception on Companies Act 2013 Provisions         | 143 |
| 5.3.2.1 | Conduct of Research for CSR Activities                         | 143 |
| 5.3.2.2 | Following CSR Practices  | 144 |
| 5.3.2.3 | Use of CSR Funds   | 144 |
| 5.3.2.4 | Nature of CSR activities                                       | 145 |
| 5.3.2.5 | Joining hands with NGOs  | 146 |
| 5.3.2.6 | Separate CSR Department  | 147 |
| 5.3.2.7 | Contribution towards CSR                                       | 148 |
| 5.4     | Section D: CSR initiatives and the CFP                         | 149 |
| 5.4.1   | Exploratory Factor Analysis                                    | 149 |
| 5.4.1.1 | Rotated Component Matrix                                       | 153 |
| 5.4.2   | Structural Equation Modelling                                  | 156 |
| 5.4.2.1 | Model Fit of Path Diagram of Preliminary Model                 | 158 |

|  |     |
|--|-----|
| 5.4.2.2 Model Fit of Path Diagram of Final Model | 160 |
|--|-----|

## **CHAPTER 6: FINDINGS, CONCLUSIONS AND RECOMMENDATIONS**

|                               |     |
|-------------------------------|-----|
| 6.1 Findings                  | 163 |
| 6.2 Conclusions               | 178 |
| 6.3 Recommendations           | 182 |
| 6.4 Future Research           | 184 |
| 6.5 Contribution of the Study | 185 |

## **LIST OF FIGURES**

| <b>Figure No.</b> | <b>Title</b>  | <b>Page No.</b> |
|-------------------|---|-----------------|
| Figure 2.1        | The Carroll's Model   | 41              |
| Figure 3.1        | CSR Reporting Guidelines  | 68              |
| Figure 4.1        | The Proposed Conceptual Model   | 109             |
| Figure 5.1        | Year-wise Disclosure Analysis of CSR practices                        | 118             |
| Figure 5.2        | Tenure in the Organisation (in %)                                     | 141             |
| Figure 5.3        | Gender (in %)   | 142             |
| Figure 5.4        | Managerial Level of the Employees (in %)                              | 142             |
| Figure 5.5        | Conduct of Research for CSR Activities                                | 143             |
| Figure 5.6        | Following CSR Practices   | 144             |
| Figure 5.7        | Use of CSR Funds  | 145             |
| Figure 5.8        | Nature of CSR Activities  | 146             |
| Figure 5.9        | Joinining Hands with NGOs   | 147             |
| Figure 5.10       | Separate CSR Department   | 147             |
| Figure 5.11       | Contribution towards CSR  | 148             |
| Figure 5.12       | Path Diagram of Preliminary Model                                     | 157             |
| Figure 5.13       | Path Diagram of Final Model   | 160             |
| Figure 6.1a       | Corporate Social Responsibility Disclosure Index<br>(Head Categories) | 167             |
| Figure 6.1b       | Corporate Social Responsibility Disclosure Index (CSR Guidelines)     | 168             |
| Figure 6.2        | Corporate Financial Performance Variables                             | 168             |
| Figure 6.3        | Latest Companies Act 2013 provisions with respect to Corporate        |                 |

|             |  |     |
|-------------|--|-----|
|             | Social Responsibility                                    | 173 |
| Figure 6.4a | List of CSR Initiatives (Economic) by the Companies      | 174 |
| Figure 6.4b | List of CSR Initiatives (Environmental) by the Companies | 175 |
| Figure 6.4c | List of CSR Initiatives (Social) by the Companies        | 176 |
| Figure 6.5  | List of Parameters measuring Profitability               | 177 |

## LIST OF TABLES

| <b>Table No.</b> | <b>Title</b>   | <b>Page No.</b> |
|------------------|--|-----------------|
| Table 2.1        | Review of Some Research Papers   | 28              |
| Table 3.1        | GRI Guidelines   | 70              |
| Table 3.2        | Companies (Corporate Social Responsibility Policy) Rules,<br>2014 at a glance            | 73              |
| Table 3.3        | CSR Expenditure as per Companies (Corporate<br>Social Responsibility Policy) Rules, 2014 | 75              |
| Table 3.4        | Principles of National Voluntary Guidelines by Ministry of<br>Corporate Affairs          | 76              |
| Table 3.5        | Principles as per ISO 26000 Guidelines   | 78              |
| Table 3.6        | Principles of Corporate Social Responsibility as per United<br>Nations Global Compact    | 79              |
| Table 3.7        | Principles of Corporate Social Responsibility as per AA1000                              | 81              |
| Table 4.1        | CSR Reporting Framework  | 85              |
| Table 4.2        | List of CSR Dimensions   | 92              |
| Table 4.3        | List of Indices  | 97              |
| Table 4.4        | List of Dependent (D) and Controlled (C) Variables                                       | 99              |
| Table 4.5        | Units of Analysis for CSR Information in Companies<br>Reports'                           | 104             |
| Table 4.6        | Skewness and Kurtosis: Shape of the Distribution   | 108             |
| Table 5.1        | Types of Reports Maintained by the Companies   | 116             |
| Table 5.2        | Results of Skewness and Kurtosis Tests   | 119             |

|             |  |     |
|-------------|--|-----|
| Table 5.3   | Calculation of VIF Values  | 121 |
| Table 5.4   | Descriptive Statistics   | 122 |
| Table 5.5 a | Model Summary of Regression of Disclosure of Sustainability<br>Performance Information on Return on Equity | 123 |
| Table 5.5 b | ANOVA Table  | 123 |
| Table 5.5 c | Regression Coefficients Disclosure of Sustainability Performance<br>Information on Return on Equity        | 124 |
| Table 5.6 a | Model Summary of Regression of Disclosure of Sustainability<br>Performance Information on Profit after Tax | 125 |
| Table 5.6 b | ANOVA Table  | 125 |
| Table 5.6 c | Regression Coefficients Disclosure of Sustainability Performance<br>Information on Profit after Tax        | 126 |
| Table 5.7 a | Model Summary of Regression of Disclosure of Sustainability<br>Performance Information on Return on Assets | 127 |
| Table 5.7 b | ANOVA Table  | 127 |
| Table 5.7 c | Regression Coefficients Disclosure of Sustainability Performance<br>Information on Return on Assets        | 128 |
| Table 5.8 a | Model Summary of Regression of Disclosure of Sustainability<br>Performance Information on Debt/Equity      | 129 |
| Table 5.8 b | ANOVA Table  | 129 |
| Table 5.8 c | Regression Coefficients Disclosure of Sustainability Performance<br>Information on Debt/Equity             | 130 |
| Table 5.9 a | Model Summary of Regression of Disclosure of Sustainability  |     |

|              |  |     |
|--------------|--|-----|
|              | Performance Information on Return on Equity after controlling<br>size of the firm  | 131 |
| Table 5.9 b  | ANOVA Table  | 131 |
| Table 5.9 c  | Regression Coefficients Disclosure of Sustainability Performance<br>Information on Return on Equity after controlling size of the firm           | 131 |
| Table 5.10 a | Model Summary of Regression of Disclosure of Sustainability<br>Performance Information on Profit after Tax after controlling<br>size of the firm | 133 |
| Table 5.10 b | ANOVA Table  | 133 |
| Table 5.10 c | Regression Coefficients Disclosure of Sustainability Performance<br>Information on Profit after Tax after controlling size of the firm           | 133 |
| Table 5.11 a | Model Summary of Regression of Disclosure of Sustainability<br>Performance Information on Return on Assets after controlling<br>size of the firm | 135 |
| Table 5.11 b | ANOVA Table  | 135 |
| Table 5.11 c | Regression Coefficients Disclosure of Sustainability Performance<br>Information on Return on Assets after controlling size of the firm           | 135 |
| Table 5.12 a | Model Summary of Regression of Disclosure of Sustainability<br>Performance Information on Debt/Equity  | 136 |
| Table 5.12 b | ANOVA Table  | 137 |
| Table 5.12 c | Regression Coefficients Disclosure of Sustainability Performance<br>Information on Debt/Equity   | 137 |
| Table 5.13   | Dimensions for Measuring CSR   | 149 |

|            |  |     |
|------------|--|-----|
| Table 5.14 | Results of KMO and Barlett Test of Sphericity                  | 152 |
| Table 5.15 | CSR Dimensions with Factor Loadings & Cronbach Alpha<br>Values | 154 |
| Table 5.16 | Overall goodness of fit measures for the Preliminary Model     | 158 |
| Table 5.17 | Overall goodness of fit measures for the Final Model           | 160 |

## ABBREVIATIONS TABLE

|         |                                      |
|---------|--------------------------------------|
| CSR     | Corporate Social Responsibility      |
| CFP     | Corporate Financial Performance      |
| SD      | Standard Deviation                   |
| VIF     | Variance Inflation Factor            |
| ROA     | Return on Assets                     |
| ROE     | Return on Equity                     |
| PAT     | Profit after tax                     |
| D/E     | Debt/Equity                          |
| CSR_ECO | Economic dimensions of CSR           |
| CSR_ENV | Environmental dimensions of CSR      |
| CSR_SOC | Social dimension of CSR              |
| CSR_FIN | Financial dimension of CSR           |
| TBL     | Triple Bottom Line                   |
| GRI     | Global Reporting Initiative          |
| UNGC    | United Nations Global Compact        |
| ISO     | International Standards Organisation |
| MCA     | Ministry of Corporate Affairs        |
| NVG     | National Voluntary Guidelines        |
| BRR     | Business Responsibility Report       |
| AA      | Account Ability                      |
| CSRP    | CSR Policy                           |

|       |   |
|-------|---|
| CSRC  | CSR Committee                             |
| CSRDI | Corporate Social Responsibility Index     |
| EFA   | Exploratory Factor Analysis               |
| KMO   | Kaiser- Meyer-Olkin                       |
| SEM   | Structural Equation Modelling             |
| SPSS  | Statistical Product and Service Solutions |
| FMCG  | Fast moving Consumer Goods                |