### TABLE OF CONTENTS

*Abstract*  
*i*

*Acknowledgement*  
*ii-iv*

*Table of Contents*  
*v-vii*

*List of Tables*  
*viii - ix*

*List of Figures*  
*ix*

*List of Charts*  
*ix - x*

*List of Maps*  
*x*

*List of Abbreviations*  
*x-xiii*

#### Chapter I Introduction  
1  - 11

1.1 Context of the Study  
1.2 Research Questions, Methodology and Data Sources  
1.3 Chapter Plan  

#### Chapter II Review of Country Case Studies: Identification of Research Gap  
12  - 26

2.1 Introduction  
2.2 MSWM Practice: Evidence from the Literature  
   2.2.1 The Experience of Developed Countries  
   2.2.2 The Experience of Developing Countries  
2.3 Public Private Partnership in Practice  
   2.3.1 Achievements and Challenges of Public Private Partnership  
   2.3.2 Emergence of Public Private Partnership in Developed and Developing Countries  
2.4 Identification of the Research Gap  
2.5 Overall Assessment  

#### Chapter III Problem of Municipal Solid Waste Management: a Missing Market Phenomenon  
27  - 58

3.1 Introduction  
3.2 Integrated Solid Waste Management: Analytical Framework  
   3.2.1 Types of Integrated Solid Waste Management  
   3.2.2 Inter-relation and Integration  
   3.2.3 Problem to Integrate: Agency Problem  
   3.2.4 Possibility of Co-ordination Failure  
3.3 Integrated Solid Waste Management and Institution  
   3.3.1 The Public Provision and Leakages  
   3.3.2 Control of Leakages through Market  
      A Dead Weight Loss and Economic Instruments  
      B Commoditization of Solid Waste Management  
      C Types of Market Based Instrument  
      D Market Based Instruments in Practice  
      E The Scope of Public Private Partnership  
      F Low Level Equilibrium Trap in the Developing Countries
3.4 Overall Assessment

Appendix 3.A.1 Aspects of Municipal Solid Waste Management

Chapter IV Strategic Management of Household Waste: a Cross Country Analysis

4.1 Introduction

4.2 Data Transcription and Variable Construction

4.2.1 Why city level data?

4.2.2 Method of Data Collection and Coverage

4.2.3 Observed Dimensions of Solid Waste Management

4.2.4 Data Transcription form Observed Dimensions

A Degree of Source Separation

B Unit Based Pricing

C Disposal Arrangement

D Institutional Arrangement

E Service Outreach

4.3 Data Exploration

4.3.1 Sample Classification across Income Level

4.3.2 Economic Development and Household Waste Management Practices

4.4 Data Analysis

4.4.1 Unit Based Pricing and Household Involvement

4.4.2 Degree of Source Separation, Unit Based Pricing and Disposal Arrangement

4.4.3 Degree of Source Separation, Unit Based Pricing and Institutional Arrangement

4.4.4 Degree of Association

4.4.5 Service Outreach, Final Disposal Method and PPP

4.5 Need for Further Investigation

Appendix 4.A.1 Data Sources

Appendix 4.A.2 Treatment and Disposal Options of Solid Waste Management

Appendix 4.A.3 World Bank Country Classification across Income

Chapter V Efficiency in Waste Management and Public Private Partnership: the Indian Scenario

5.1 Introduction

5.2 MSWM and Initiative in Public Private Partnership in India

5.3 Specific Query, Study Plan and Data

5.3.1 Central Query and Methods

5.3.2 Data Collation and Coverage

5.3.3 Data Description

5.4 Technical Efficiency Score: An Application of SFA

5.4.1 Technical, Allocative and Economic Efficiency

5.4.2 Measures of Technical Efficiency

5.5 Estimation and Results

5.5.1 Prediction of efficiency scores

5.5.2 Determinants of Efficiency Scores

5.5.3 Determinants of Private Participation
5.6 Overall Assessment

Appendix 5.A.1 Public Private Partnership in Selected Indian Cities

Chapter VI Household Attitude and Program Compatibility: Voices from the Field

6.1 Introduction
6.2 Demand Analysis: Non-market Valuation
   6.2.1 WTP/WTA for Environmental Quality Changes
   6.2.2 Estimate TVC: Weak Complementarity and CVM
   6.2.3 Best Practices for CVM and the NOAA Panel
6.3 Study Site and Survey Design
   6.3.1 Solid Waste Management in Bally Municipality
   6.3.2 Survey Design
   6.3.3 Questionnaire Design
      A CV Questionnaire of 2006
      B CV Questionnaire of 2011
   6.3.4 Bid Design
6.4 Data Description
   6.4.1 Waste Disposal and Recycling
   6.4.2 Changes in Adoption Behaviour
   6.4.3 Quality of Service
   6.4.4 Research Questions
6.5 Methodology and Results
   6.5.1 Reliability of Contingent Valuation Method
   6.5.2 Estimation of Willingness to Pay
   6.5.3 Results
      A Pre and Post Program WTP
      B Determinants of Predicted WTP: Regression Results
      C Difference in WTP across Attributes
6.6 Variation in WTP as a Strategic Signal: a Theoretical Exposition
6.7 Overall Assessment

Appendix 6.A.1 Survey Questionnaire
Appendix 6.A.2 Changes in Waste Disposal Behaviour
Appendix 6.A.3 Analysis of Biases of CVM Studies in WTP Estimates

Chapter VII Conclusion

7.1 Research Findings: Once More
7.2 Evolution of Environmental Acts and Regulation: Indian Context
7.3 Existing Institutional Setup: Problem and Reform
7.4 Policy Implication
7.5 Direction of Future Research

References and Websites Consulted
Lists of Corrections