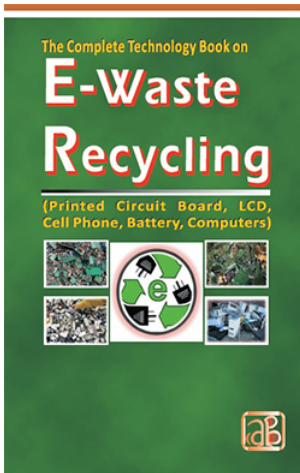


# The Complete Technology Book on E-Waste Recycling (Printed Circuit Board, LCD, Cell Phone, Battery, Computers) 3rd Revised Edition



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Electronic waste or e-waste describes discarded electrical or electronic devices. Used electronics which are destined for reuse, resale, salvage, recycling or disposal are also considered as e-waste. With advancements in the electronic world almost occurring on a day-to-day basis and increased availability of products to the public, it is not surprising to see a staggering increase in the generation of electronic wastes over the past decade. The e-waste now represents the biggest and fastest growing manufacturing of wastes with as high as about 40 million tons a year at the global level. All these things lead to an increase in E-waste generation in the country.

Electrical and electronic equipment contain different hazardous materials which are harmful to human health and the environment, if not disposed of carefully. Due to the lack of awareness for e-waste recycling in emerging economies, innovation hubs and centres of excellence have not yet been established. This has led to the requirement of a proper disposal and recycling system so that environmental pollution and health hazard is reduced. We have tried to give information in this book which will help in minimizing this ever growing problem.

Today the electronic waste recycling business is in all areas of the developed world a large and rapidly consolidating business. This recycling is done by sorting, dismantling, and recovery of valuable materials. This diversion is achieved through reuse and refurbishing.

This book aims at providing a thorough understanding and analysis of the E-Waste in the wake of evolving market dynamics. The book describes E-waste rules by Ministry of Environment and Forests. The book discusses the overview of the E-Waste Recycling along with their Classification, Composition, Recycling Process of different products and effects of E-waste on environment and human health. Also it contains suppliers contact details of plant & machinery with their photographs.

The book covers E-waste Recycling- An Introduction, Overview of WEEE/E-Waste Management, Hazardous Materials in E-Waste, E-Waste Management System Specifications, Recycling of E-Waste, Recycling of Printed Circuit Board, Recycling of Liquid Crystal Display, Cell Phones Recycling, Battery Recycling, Computer Recycling, Restriction of Hazardous Substances Directive and Environmental Aspects.

It will be a standard reference book for Professionals, Decision-makers, Engineers, those Studying and Researching in this important area and others interested in the field of E-Waste Recycling. Professionals in academia and industry will appreciate this comprehensive and practical reference book, due to its multidisciplinary nature.

## **Contents**

### **1. E-WASTE RECYCLING--AN INTRODUCTION**

- Composition of E-Waste
- Components of E-Waste
- Status of E-Waste in India
- SWOT Analysis
- SWOT Analysis of E-Waste Management
- E-Waste Legislation in India
- The Hazardous Waste (Management and Handling) Rules, 2003
- The Hazardous Waste (Management, Handling and Trails boundary Movement) Rules, 2008
- Guideline for Environmentally Sound Management of E-Waste, 2008
- The E-Waste (Management and Handling) Rules, 2011
- Loopholes in Legislations
- Integrated Product Policy
- Sustainable Development

### **2. OVERVIEW OF WEEE/E-WASTE MANAGEMENT**

- Introduction
- Mechanism of WEEE/E-waste Trade
- WEEE/E-waste Life Cycle
- WEEE/E-Waste Material Flow Model
- Phase I
- Phase II
- Phase III
- Phase IV
- Components of WEEE/E-waste Management
- Waste Electrical and Electronic Equipment (WEEE) Directive in the European Union
- Obligations of the Producer under the WEEE
- Barriers to Recycling of WEEE
- WEEE Health and Safety Implications

### **3. HAZARDOUS MATERIALS IN E-WASTE**

- Valuable Materials in E-Waste
- Possible Hazardous Substances Present in E-Easte
- Component Possible Hazardous Content
- Glycol, Other Unknown Substances
- Plastics Containing Brominated Flame Retardants (BFRs)
- Insulation
- Asbestos
- Refractory Ceramic Fibers (RCFs)
- Liquid Crystal Display (LCDs)
- Components Containing Plasticisers/Stabilizers

Circuit Boards  
Flame Retardants  
Lead  
Mercury  
Beryllium  
Capacitors  
Electrolyte Capacitors  
Capacitors Containing Poly Chlorinated Biphenyls (PCBs)

4. E-WASTE MANAGEMENT SYSTEM SPECIFICATIONS  
Tentative Specifications for E-Waste Collection System  
Tentative Specifications for E-waste Treatment System  
Manual E-Waste Dismantling/Treatment Plant  
Semi-Automatic E-Waste Dismantling/Treatment Plant  
Automatic E-Waste Dismantling/Treatment Plant  
Common Specifications for Utilities at Collection Centers and Processing Facilities

5. RECYCLING OF E-WASTE  
Individual Processes  
Crushing/Diminution  
Size Classification  
Magnetic Separation  
Density Separation  
Eddy Current Separation  
Electrostatic Separation  
Outputs and Markets  
Metals  
Glass  
Plastics  
Emerging Recycling and Recovery Technologies  
Automated Disassembly  
Comminution  
Separation  
Thermal Treatments  
Hydrometallurgical Extraction  
Dry Capture Technologies  
Biotechnological Capture  
Sensing Technologies  
Design for Recycling and Inverse Manufacturing  
E-Waste Segregation and Disposal Method  
Structure and Main Steps in the Recycling Chain  
Structuring of the Recycling Chain

6. RECYCLING OF PRINTED CIRCUIT BOARD  
Composition of Printed Circuit Board  
Characteristics of PCB Scrap  
Density Differences  
Magnetic and Electrical Conductivity Differences  
Polyformity  
Liberation Size  
Chemical Reactivity  
Electropositivity  
Materials  
Fabrication Process for Printed Circuit Process (PCB)  
Mechanical Recycling Process of Printed Circuit Boards (PCBs)  
PCB Recycling of the Metal Fraction

Pyrometallurgy  
Hydrometallurgy  
Biometallurgy  
Challenges and Future Trends  
Dismantling  
Recovery of Copper and Precious Metals  
Recycling and Recovery of the Non-Metallic Materials  
7. RECYCLING OF LIQUID CRYSTAL DISPLAY  
Composition and Characterisation of LCDs  
Barriers to Recycling of LCDs  
Recycling Processes for Liquid Crystal Displays (LCDs)  
Manual Disassembly  
Manual Disassembly Processing for LCDs  
Automated Processes for LCD Recycling  
Automated Disassembly Processes for LCDs  
Hazardous Materials in Liquid Crystal Displays (LCDs)  
Environmental Concerns of LCD  
Loss of Light Energy  
Hazardous Chemical  
Hazardous Gases  
Mercury Accumulation in End-of-Life Products  
8. CELL PHONES RECYCLING  
A Cell Phone Contains Just a Few Individual Parts  
Harmful Substances in Mobile Phones  
Cadmium  
Lead  
Lithium  
Mercury  
Process Overview  
Collection and Transportation  
Pre-Processing  
Reuse of Phones  
Reuse of Components  
Recycling of Materials  
I. Pre-treatment  
II. Copper Recovery  
III. Precious Metals Recovery  
IV. Recovery Rate  
9. BATTERY RECYCLING  
Main Processing Routes  
Pyrometallurgical Route  
Hydrometallurgical Route  
Metallurgical Aspects of Lead Recycling from Battery Scrap  
Technical Steps in Battery Recycling  
Dismantling of Battery Cases and Feed Preparation  
Melting and Reduction Operation of Paste and Battery Fines  
Melting of Grids, Terminals and Bridges  
Refining of Crude Lead  
Gas Cleaning System  
10. COMPUTER RECYCLING  
Composition of Computer  
Recycling Process of Computers  
Collection

Sorting, Processing and Reuse in Production

Removing the Large Objects

Test for Potential Reuse

Manual Disassembly

Separation into Material Composition

Disposal of Non-Recyclable Parts

Purchase of Products Made of Recycled Materials

## 11. RESTRICTION OF HAZARDOUS SUBSTANCES DIRECTIVE

RoHS Compliance

The RoHS Directive and Proscribed Materials

RoHS Proscribed Materials

Lead

Brominated Flame Retardants

Cadmium, Mercury and Hexavalent Chromium

Benefits ROHS

Health Benefits

Reliability Concerns Unfounded

Flow Properties and Assembly

Some Exempt Products Achieve Compliances

## 12. E-WASTE RULES BY MINISTRY OF ENVIRONMENT AND FORESTS

Modified Draft Notification

General

Responsibilities

Procedure for Seeking Authorization and Registration for Handling E-wastes

Procedure for Registration with State Pollution Control Board

Reduction in the Use of Hazardous Substances (ROHS) in the Manufacture of Electrical and Electronic

Equipment

Miscellaneous

Schedule-I

Schedule-II

Schedule-III

## 13. ENVIRONMENTAL ASPECTS

Effects on Environment and Human Health

Pollutants in E-Waste

Impact of Hazardous Substances on Health and Environment

Dealing with E-Waste

Management Options to Severity of the Problem

Responsibilities of the Government

Responsibility and Role of Industries

Responsibilities of the Citizen

Need for Stringent Health Safeguards and Environmental Protection Laws in India

## 14. ADDRESSES OF PLANT AND MACHINERY SUPPLIERS

## 15. PLANT AND MACHINERY PHOTOGRAPHS

## 16. PLANT LAYOUT AND PROCESS FLOW SHEET DIAGRAM

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