E-Waste Recycling (Printed Circuit Board, LCD, Cell Phone, Battery, Computers)

Description:

Electronic waste or e-wastedescribes discarded electrical or electronic devices. Used electronics whichare destined for reuse, resale, salvage, recycling or disposal are alsoconsidered as e-waste. With advancements in the electronic world almostoccurring on a day-to-day basis and increased availability of products to thepublic, it is not surprising to see a staggering increase in the generation ofelectronic wastes over the past decade. The e-waste now represents the biggestand fastest growing manufacturing of wastes with as high as about 40 milliontons a year at the global level. All these thing leads to increase in E-wastegeneration in the country. Electrical and electronic equipment containdifferent hazardous materials which are harmful to human health and theenvironment, if not disposed of carefully. Due to the lack of awareness fore-waste recycling in emerging economies, innovation hubs and centres ofexcellence have not yet been established. This has leads to the requirement ofa proper disposal and recycling system so that environmental pollution andhealth hazard is reduced. We have tried to give information in this book whichwill help in minimizing this ever growing problem. Today the electronic wasterecycling business is in all areas of the developed world a large and rapidlyconsolidating business. This recycling is done by sorting, dismantling, andrecovery of valuable materials. This diversion is achieved through reuse andrefurbishing. This book aims at providing a thorough understanding and analysisof the E-Waste in the wake of evolving market dynamics. The book describesE-waste rules by Ministry of Environment and Forests. The book discusses theoverview of the E-Waste Recycling along with their Classification, Composition,Recycling Process of different products and effects of E-waste on environmentand human health. Also it contains suppliers contact details of plant &machinery with their photographs. The book covers E-waste Recycling- AnIntroduction, Overview of WEEE/E-Waste Management, Hazardous Materials inE-Waste, E-Waste Management System Specifications, Recycling of E-Waste,Recycling of Printed Circuit Board, Recycling of Liquid Crystal Display, CellPhones Recycling, Battery Recycling, Computer Recycling, Restriction ofHazardous Substances Directive and Environmental Aspects. It will be a standardreference book for Professionals, Decision-makers, Engineers, those Studyingand Researching in this important area and others interested in the field ofE-Waste Recycling. Professionals in academia and industry will appreciate thiscomprehensive and practical reference book, due to its multidisciplinarynature.

Keywords: Complete, Technology, Book, E-Waste, Recycling, Printed, Circuit, Board, LCD, Cell, Phone, Battery, Computers, Environmentally, WEEE, Electrical, Electronic, Equipment, hazardous, materials, Management, System, Specifications, Printed, Circuit, Board, Liquid, Crystal, Display, Addresses Of Plant, Machinery, Suppliers Plant, Machinery, Photographs, Cell, Phones, Metallurgical,

Created At: 01 Mar, 2016