



## E-waste Management Plan (Financial Analysis)

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**Abstract:** The purpose of this study to assess the quantity of E-waste generation and its management in India along with the financial assesment of the e-watse in Delhi, the capital of India if recycled in a formal way. Due to rapid increase in urbanization and industrialization, the generation of E-waste has also increased at a very fast rate. Due to presence of deadly chemicals and toxic materials in the electronic items, the safe disposal of E waste is becoming a nightmare for humans and environment. Globally only 15-20% of E-waste is recycled while the rest will be dumped in developing countries like India, china and Nigeria. A current estimate of E-waste growth in India is exponential. Informal sector accounts for 95% recycling of E-waste while 5% reaches to authorized recycler. To manage e-waste in India, a specific set of principles must be followed. It must start with avoiding e-waste generation and then followed by reduction, reusing, recycling, recovering, treatment and proper disposal of e-waste. There must be a proper conglomeration of the four primary pillars, i.e. technology, policies, legislation and administration. There are many obstacles in the way of proper e-waste management, the one main being the presence of informal sector. There is a dire need of formalization of the informal sector and introduction of the technologies with awareness and education about the e-waste to the workers and other stakeholders. A proper assessment for the quantification, characterization, dumping techniques, and impact of e-waste must be done. A proper e-waste handling and collection centers must be set up with collaboration with the private sector and the manufacturers.

**Biography:** Samroot Samreen Wani is a 25 year old budding researcher. She is a graduate in Civil Engineering and has a post graduation in Renewable Energy Engineering and Management from TERI School of Advanced Studies. Currently, she is working as a State Engagement Consultant in The Energy and Resources Institute, New Delhi, India. She was awarded RESEARCH UNDER LITERAL ACCESS



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