



# REPORT:- SURVEY ON E-WASTE MANAGEMENT



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# ● SURVEY ON E WASTE MANAGEMENT

Title:

Public Perception and Awareness of E-Waste Management in  
Bangalore

## INTRODUCTION :-

### E-WASTE

Electronic waste, commonly referred to as e-waste, represents discarded electronic devices and electrical equipment. These items can range from old smartphones and laptops to obsolete televisions and household appliances. As technology advances at a rapid pace, the generation of e-waste has surged in recent years, posing significant environmental and health challenges.

### E-WASTE MANAGEMENT

E-waste management is the set of practices and strategies employed to handle, recycle, and dispose of electronic waste in an environmentally responsible manner. Effective e-waste management aims to mitigate the harmful effects of improper disposal, such as soil and water contamination, air pollution, and the release of hazardous substances like lead, mercury, and cadmium.

# Conducting surveys on e-waste management is crucial for several reasons:

## Data Collection:

Surveys provide valuable data on the quantity and types of electronic waste generated in a specific region. This information helps governments, organizations, and researchers understand the scale of the e-waste problem and plan accordingly.

## Identifying Trends:

Surveys can reveal trends in e-waste generation, including the types of devices being discarded and their lifecycle. This data is essential for predicting future trends and adapting waste management strategies.

## Environmental Impact Assessment:

Surveys help assess the environmental impact of improper e-waste disposal, including soil and water contamination, air pollution, and the release of hazardous materials. This information is vital for understanding the extent of environmental harm.

## Health Concerns:

E-waste contains toxic substances that can harm human health if not managed properly. Surveys can assess the health risks associated with e-waste exposure in communities and guide public health interventions.

## Policy Development:

Survey data informs the development of effective e-waste management policies and regulations. Policymakers can use this information to design initiatives that encourage recycling, safe disposal, and the responsible production of electronics.

#### Resource Recovery:

E-waste contains valuable materials like precious metals, which can be recovered through recycling. Surveys help identify opportunities for resource recovery, promoting a circular economy and reducing the need for raw materials.

#### Public Awareness:

Surveys can gauge public awareness and attitudes toward e-waste management. This information can guide educational campaigns and outreach efforts to promote responsible e-waste disposal.

#### Economic Opportunities:

Understanding the e-waste landscape through surveys can uncover economic opportunities in recycling and refurbishing electronics. This can stimulate job creation and sustainable economic growth.

## QUESTIONS AND RESULTS OBTAINED :-

- Have you ever heard of E waste management?  
88.9% of the respondents have heard about E waste management and 11.1% of the respondents haven't heard about this.
- Would you be interested in learning more about e-waste management and recycling options?

40.3% of the respondents are very interested in learning more about e-waste management and recycling options, 47.2% of the respondents are somewhat interested and 12.5% are not interested.

- What type of E-waste comes out of your household?

87.5% of the respondents said batteries , 58.3% said mobile phone and accessories , 52.8% said home appliances , 33.3% said entertainment electronics and 18.1% said cameras and 16.7% said others.

- Are you more likely to buy products from companies with e-waste recycling or take-back programs?

51.4% are likely to buy products from companies with e-waste recycling or take-back programs , 45.8% are neutral and rest are not sure about it.

- Is there separate collection of E-waste in your neighbourhood?

73.6% said there is no separate collection of E-waste and rest 26.4% said there is a separate collection of E-waste.

- Would you be more likely to recycle E-waste if there were convenient E-waste collection bins in public places?

69.4% are more likely to recycle E-waste if there were convenient E-waste collection bins in public places , 26.4% are probably they would and rest of them are not concern about it.

- Would you be more likely to recycle electronic devices if there were financial incentives or rewards offered?

59.5% are yes to recycle electronic devices if there were financial incentives or rewards offered, 33.8% are maybe yes and rest of them are no.

- Do you think E-waste disposal method is a problem in your neighbourhood?

63% thinks E-waste disposal method is a problem in your neighbourhood and 37% do not think E-waste disposal method is a problem in your neighbourhood.

- Are you satisfied with the E waste management process in Bangalore or your place?

68.1 are not satisfied with the E waste management process in Bangalore or your place and 31.9% are satisfied with the E waste management process in Bangalore or your place.

- Do you believe that manufacturers should be responsible for the proper disposal and recycling of their electronic products?

53.4% believes that manufacturers should be responsible for the proper disposal and recycling of their electronic products, 39.7% are neutral and 6.8% do not believe that manufacturers should be responsible for the proper disposal and recycling of their electronic products.

- Have you heard about health problems due to E waste?

72.6% have heard about the health problems due to E waste and 27.4% haven't heard about it.

- Would you personally say that E-waste is a major issue currently affecting major cities in India?

77.8% personally say that E-waste is a major issue currently affecting major cities in India and 22.2% don't say it .

- Are you aware of any local E-waste recycling programs or drop-off locations in your area?

69.4% are not aware of any local E-waste recycling programs or drop-off locations in your area and 30.6% are aware of any local E-waste recycling programs or drop-off locations in your area.

- Do you think environment issues could be minimised if E-waste is managed properly?

91.9% thinks environment issues could be minimised if E-waste is managed properly and 8.1% do not think environment issues could be minimised if E-waste is managed properly.

- Have you heard about refurbishing E-waste?

47.2% have heard about refurbishing E-waste and 52.8% have not heard about refurbishing E-waste.

- Are you aware of the market information about E-waste prices ?

77.8% are not aware of the market information about E-waste prices and 22.2% are aware of the market information about E-waste prices.

- What factors influence your decision to recycle electronic waste?

62.2% says environmental concern , 18.3% says convenience , 12.2% says incentives and 7.3% says it as others .

- Do you think there should be more awareness campaigns about responsible e-waste disposal?

61.1% strongly agree that there should be more awareness campaigns about responsible e-waste disposal, 25% agree , 12.5% neutral and rest strongly disagree.

### CONCLUSION:-

The survey provides a comprehensive overview of the public's awareness and attitudes towards e-waste management in Bangalore. While there is a high level of awareness, there are opportunities for improvement, particularly in educating the public about responsible disposal methods and increasing awareness of refurbishing options.

Surveys on e-waste management provide valuable information and insights about various aspects of the electronic waste management process such as :

- 1) E WASTE GENERATION
- 2) COLLECTION PRACTICES
- 3) RECYCLING
- 4) DISPOSAL METHODS
- 5) AWARENESS AND KNOWLEDGE
- 6) BEHAVIOURAL PATTERN
- 7) ENVIRONMENTAL AND HEALTH IMPACTS
- 8) ECONOMIC ASPECTS



**THANK YOU**