

# CHAPTER 1: RESULT & DISCUSSION

## Part 01: Household E-Waste Survey Analysis

The Household survey has been structured into a data frame with 40 responses.

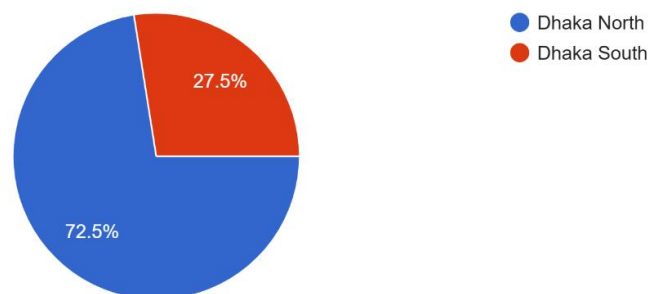
### Section 1: General Information

#### 1. City Corporation

Out of the 13 respondents, a mix of residents from Dhaka North and South participated. This distribution helps capture diverse urban e-waste habits, though a larger sample could improve representativeness.

#### 1. City Corporation

40 responses

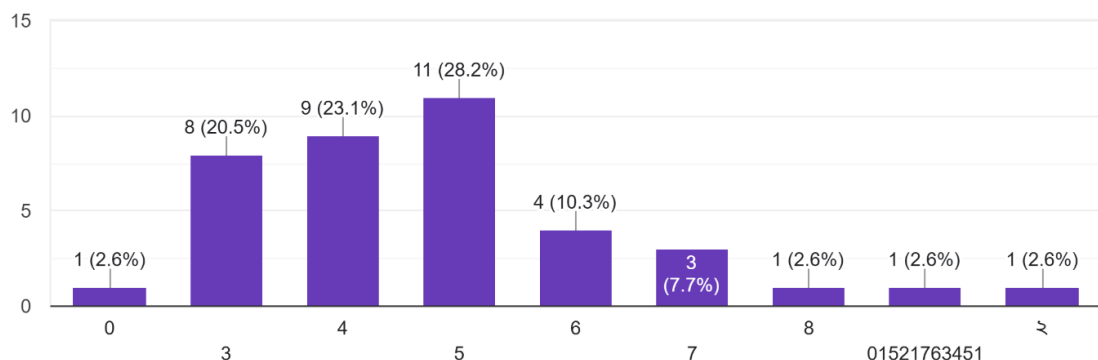


#### 2. Household Size

Respondents reported varying household sizes, with most ranging between 4 to 6 members. This may influence the quantity of electronic products owned and discarded.

#### 2. Number of people in household

39 responses



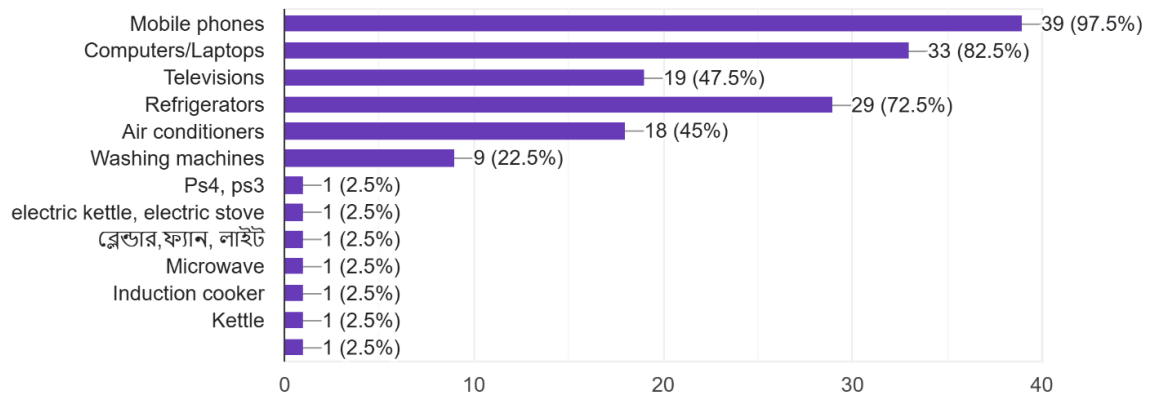
## Section 2: E-Waste Ownership, Generation & Disposal

### 3. Ownership of Electronic Items

Most participants own common household electronics like mobile phones, laptops, and televisions. Refrigerators and washing machines were also widely owned, indicating a significant potential for domestic e-waste generation.

3. Which of the following electronic items do you currently own or use? (Tick all that apply)

40 responses

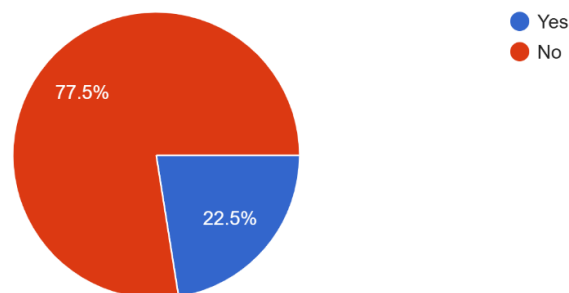


### 4. Discarded Items in the Past 12 Months

A noticeable portion of respondents have discarded at least one electronic item in the past year. This indicates an active generation of e-waste and potential opportunities for recycling or take-back programs.

4. Have you discarded any electronic items in the past 12 months?

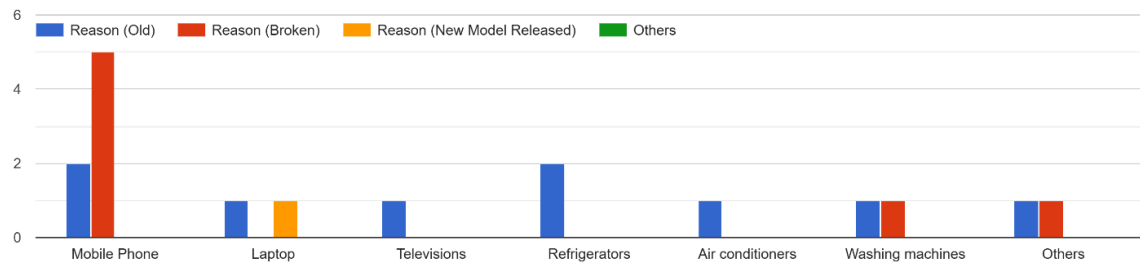
40 responses



### Reasons for Discarding Items

The most common reasons for discarding items were due to damage or obsolescence. This aligns with trends observed globally, where broken or outdated devices contribute heavily to e-waste volumes.

Please specify reason for discarding the item



### Estimated Value of Discarded Items

Although optional, a few respondents reported estimated values, highlighting the economic value lost when e-waste is improperly handled or discarded.

#### Estimated Value of Discarded E-Waste

8 responses

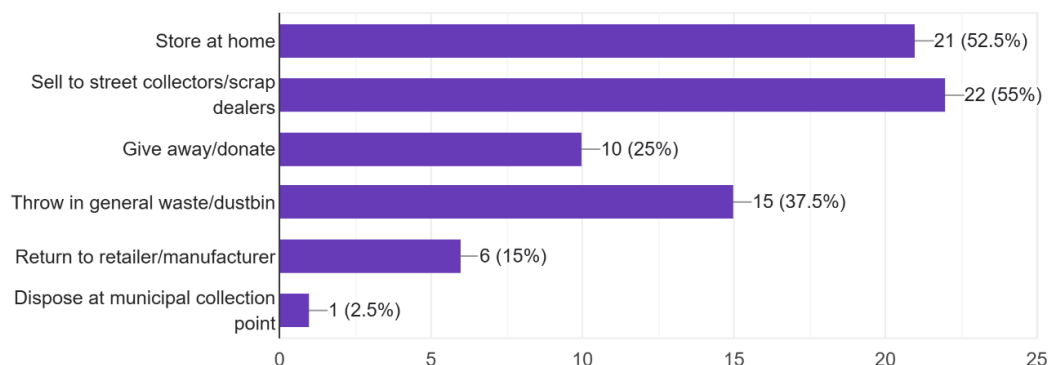


### 5. Common Disposal Practices

Most respondents reported either storing old electronics at home or selling them to informal collectors. Very few indicated using municipal collection points or returning to retailers, suggesting limited awareness or access to formal disposal systems.

5. What do you usually do with non-functional or obsolete electronics? (Tick all that apply)

40 responses



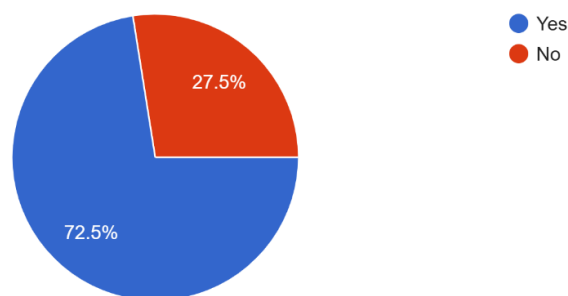
### Section 3: Awareness and Practices

#### 6. Awareness of Environmental/Health Risks

A majority of respondents are aware of the health and environmental risks associated with improper e-waste disposal. This awareness is encouraging but may not always translate into safe disposal behavior.

6. Are you aware of any environmental or health risks related to improper e-waste disposal?

40 responses

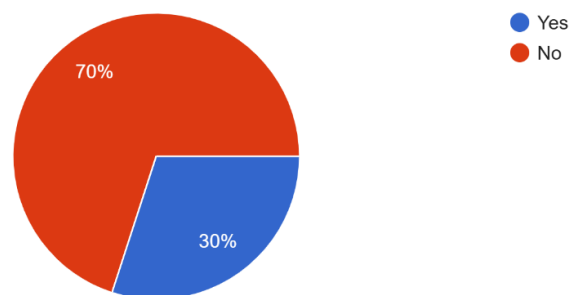


#### 7. Familiarity with E-Waste Laws

Most respondents had not heard about existing laws on e-waste management in Bangladesh, underscoring a need for better communication and outreach from authorities.

7. Have you heard about any laws or guidelines on e-waste management in Bangladesh?

40 responses

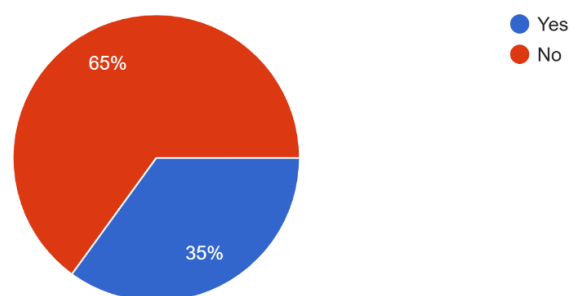


## 8. Sources of Information

Very few respondents reported receiving information from NGOs or media campaigns. This points to a gap in public education efforts on safe e-waste disposal practices.

8. Have you received any information on safe e-waste disposal (e.g., through TV, NGO campaigns, social media)?

40 responses



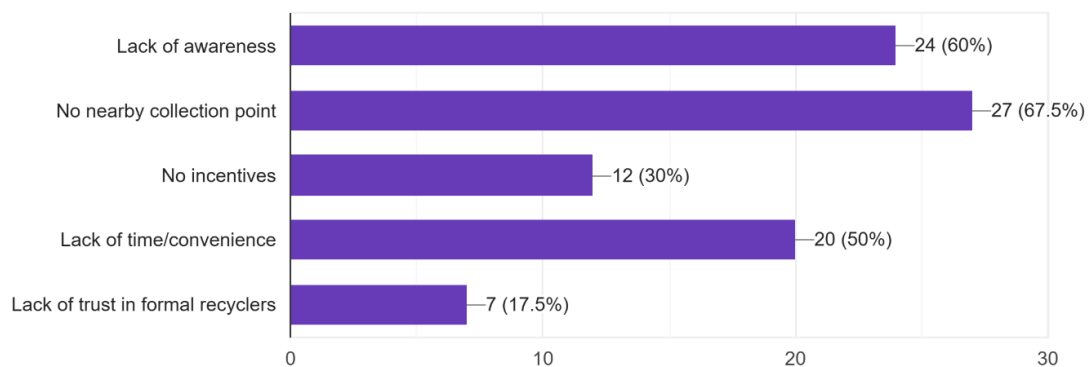
## Section 4: Barriers and Attitudes

### 9. Reasons for Not Recycling or Properly Disposing

The top barriers included lack of awareness and absence of nearby collection points. These reflect systemic shortcomings that could be addressed through local infrastructure development and awareness campaigns.

9. If you do not recycle or properly dispose of e-waste, what are the main reasons? (Tick all that apply)

40 responses

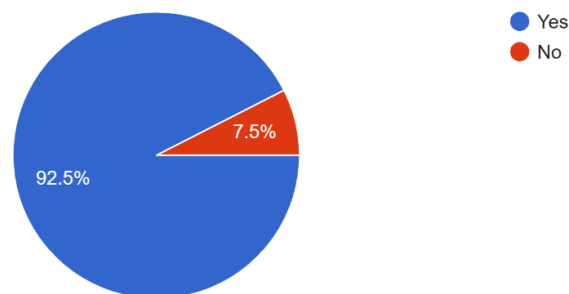


## 10. Willingness to Return E-Waste

Most respondents expressed willingness to return e-waste if provided with convenient services or incentives. This suggests that behavior change is possible with supportive policies and infrastructure.

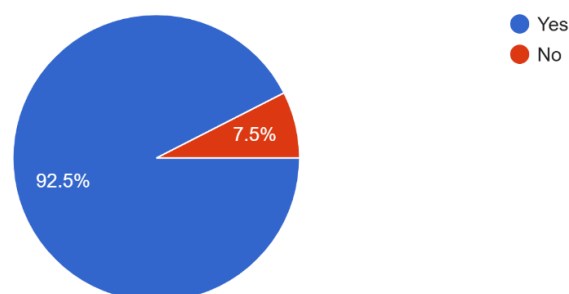
10 (a). Would you be willing to return e-waste if provided with a convenient collection service?

40 responses



10 (b). Would you be willing to return e-waste if provided with incentives (e.g., cash, discount, gifts)?

40 responses



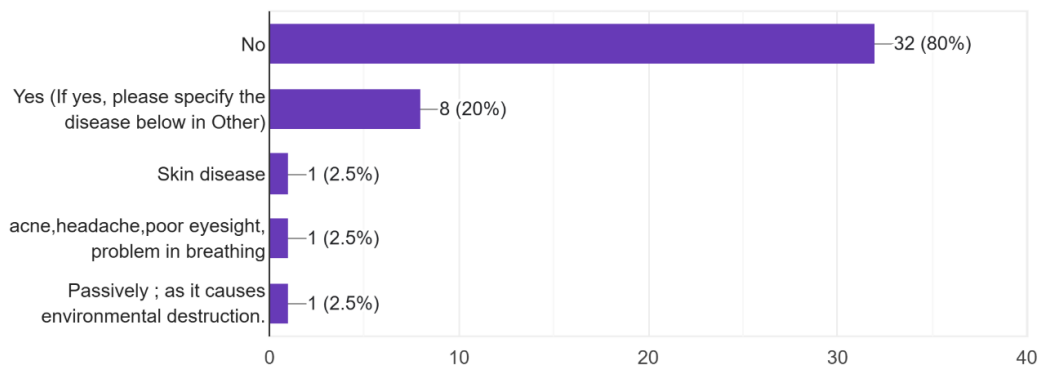
## Section 5: Health and the Environment

### 11. Health Impacts

While a few participants reported health issues potentially linked to e-waste handling, most did not. However, given the small sample size and self-reporting limitations, this should be interpreted cautiously.

11. Have you or anyone in your household suffered from health issues you think could be related to e-waste handling (e.g., skin problems, breathing issues)?

40 responses



## Section 6: Suggestions

### 12. Improving E-Waste Management

Respondents proposed solutions like increasing awareness, offering incentives, and establishing formal collection points. These ideas align with global best practices and could form the basis of community-focused interventions.

## 12. What do you think would improve e-waste management in your area?

21 responses

I think Improved e-waste management in my area needs more awareness, collection points, strict rules, and recycling incentives.

A proper system which is well known to the general people.

yes

need a local hub

Awareness

awareness

Improving e-waste management requires a combination of policy, infrastructure, public awareness, and industry involvement.

Better e-waste management needs more public awareness, easy access to collection points, and reward-based return systems to encourage responsible disposal.

Cloning all areas in the morning

By applying law and awareness

Not quite responsive nor trustworthy

awareness campaigns

.

Exchange Program: Where people will be able to trade their old electronics device with new ones, at a discounted rate

Awareness and proper place to dispose

building e waste collection point

E-wast collection service

By camping

spread awareness

Proper principal and a plan

Waste collection process

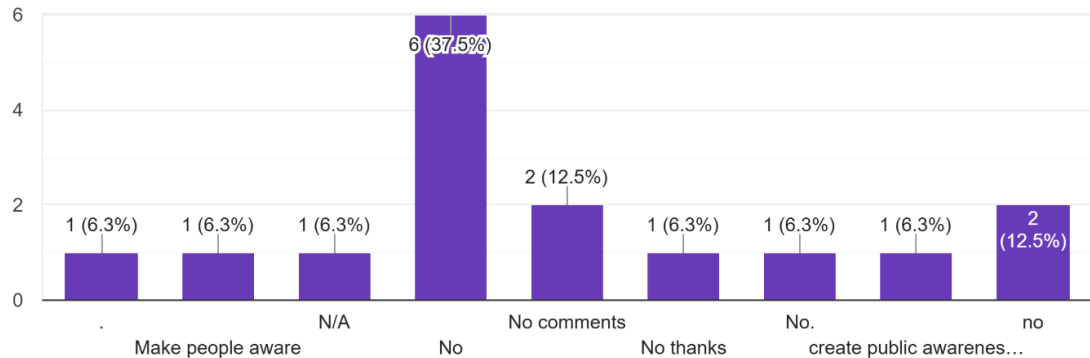


### 13. Additional Comments

Some participants emphasized the need for government action and stronger regulation. Others pointed to educational programs as a way to change disposal habits in the long term.

#### 13. Any other comments or suggestions?

16 responses



## Part 02: Scrap Dealers E-Waste Survey

The Scrap Dealers E-Waste Survey has been structured into a data frame with 20 responses.

### Section 1: Basic Information

#### 1. Business Name (Optional):

##### 1. Business Name

17 responses

RS Electronic Device Recycle

No Name

Mamun Enterprize

Zaman Enterprise:

Noakhali Electronics

BD recycle

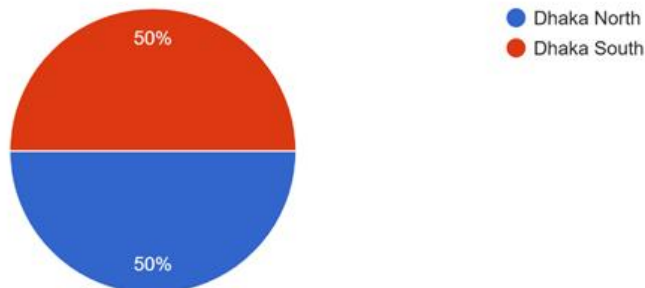
#### 2. City Corporation:

The pie chart displays the distribution of respondents from different city corporations.

- **Dhaka North:** 50% of respondents
- **Dhaka South:** 50% of respondents

This equal distribution helps capture diverse urban e-waste habits, although a larger sample could improve representativeness.

2 (a). City Corporation  
20 responses



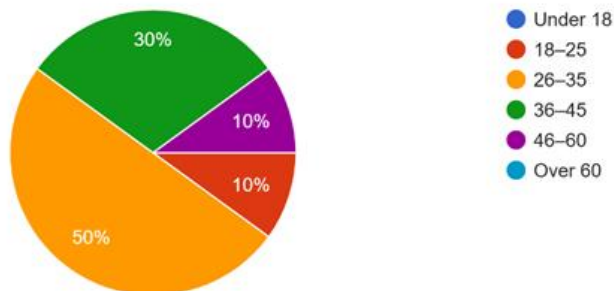
**Work Area / Locality (Thana / Ward / Road No.):**

Data was collected from respondents in specific areas, such as Kalshi and Nimtola.

**3. Age:**

Most respondents are between 26 and 35 years, reflecting an age group likely to own and dispose of electronics.

3. Age  
20 responses

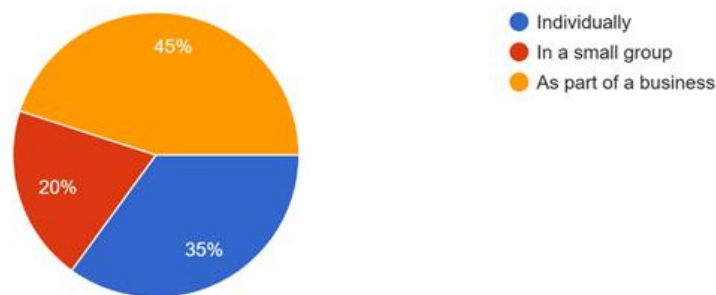


**4. Do you work individually or as part of a group/business?**

Majority of the people work as a part of a business.

#### 4. Do you work individually or as part of a group/business?

20 responses



## Section 2: E-Waste Work Practices

### 5. How long have you been working with e-waste?

The bar chart indicates the duration respondents have been working with e-waste.

**7 years:** 10%

**10 years:** 10%

**15 years:** 10%

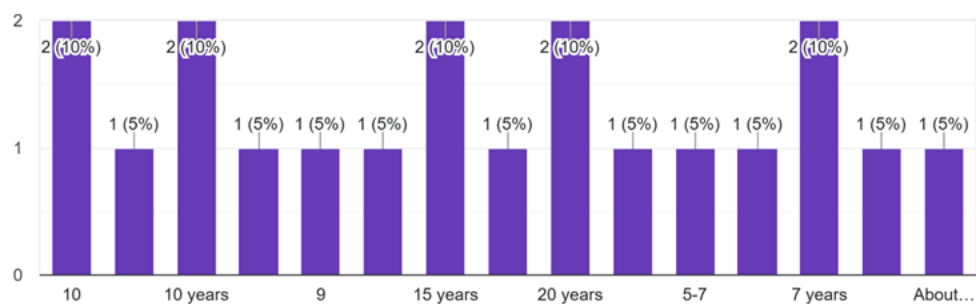
**20 years:** 10%

**Other durations:** 5-10%

The data shows a range of experience, with most respondents working in the field for 7 to 20 years.

#### 5. How long have you been working with e-waste?

20 responses



### 6. Which types of e-waste do you handle most often?

This bar chart lists the types of e-waste handled by respondents most frequently.

**Mobile Phones:** 55%

**Laptops/Computers:** 60%

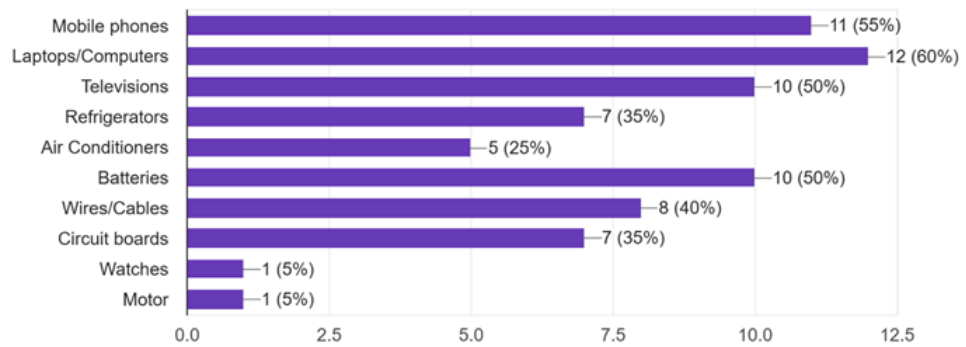
**Televisions: 50%**

**Refrigerators: 35%**

Other items like air conditioners, batteries, and wires/cables were also mentioned, but less frequently.

6. Which types of e-waste do you handle most often?

20 responses

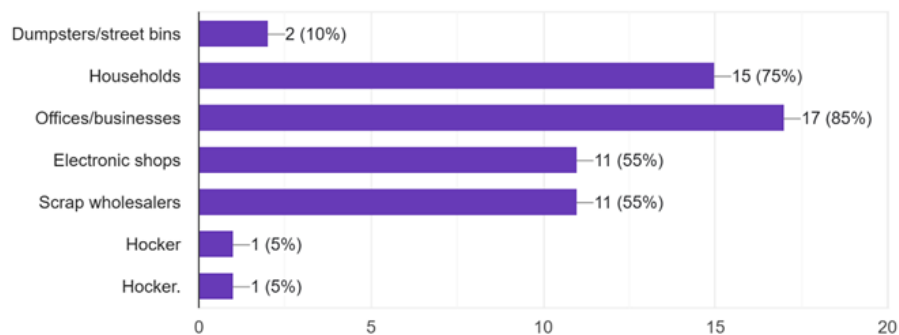


7. Where do you collect e-waste from?

This bar chart shows where respondents primarily collect e-waste from. E-waste collection is predominantly from households and offices, with electronic shops and scrap wholesalers also contributing.

7. Where do you collect e-waste from?

20 responses

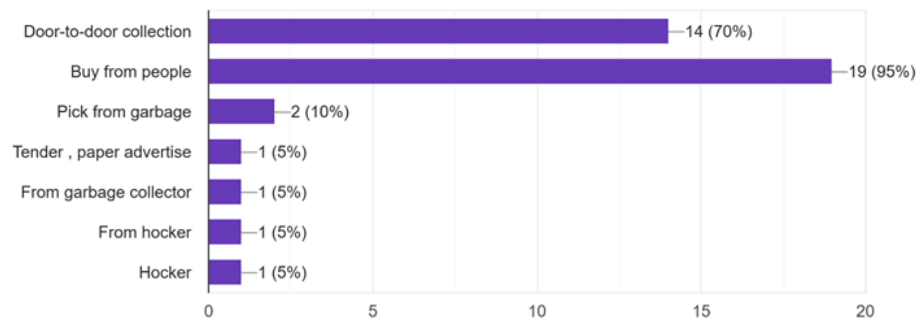


8. How do you collect e-waste?

Majority of e-waste is collected through buying the people.

### 8. How do you collect e-waste?

20 responses

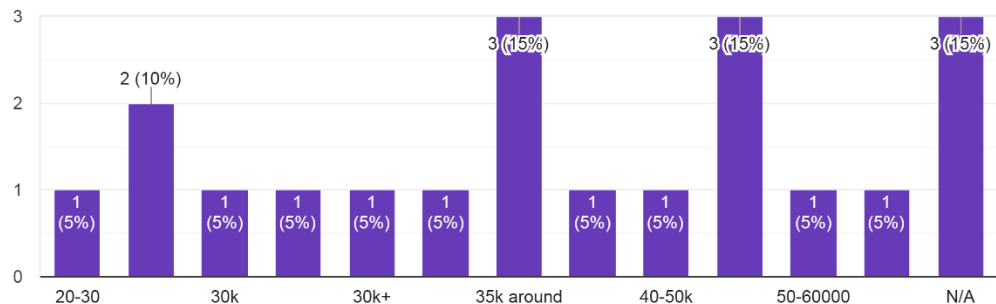


### 9. Estimated Value of Discarded E-Waste (Per Month)

The bar chart depicts the estimated value of discarded e-waste in Bangladeshi Taka (BDT) per month. The data shows a significant portion of respondents discarding e-waste valued between 30k and 50k BDT.

#### 9. Estimated Value of Discarded E-Waste in BDT (Per Month)

20 responses



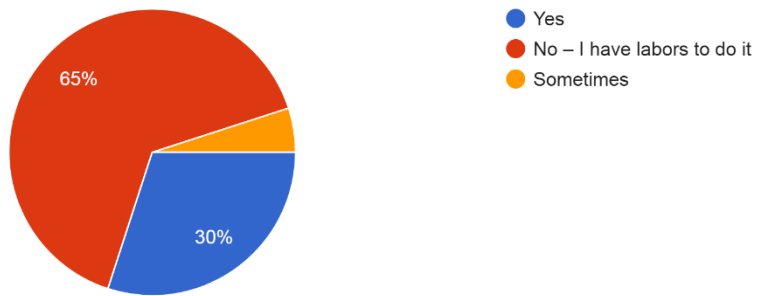
## Section 3: Recycling & Dismantling

### 10. Do you dismantle or process the e-waste yourself?

The pie chart shows how respondents manage e-waste processing. Most respondents do not dismantle or process e-waste themselves, instead employing laborers for the task.

10. Do you dismantle or process the e-waste yourself?

20 responses

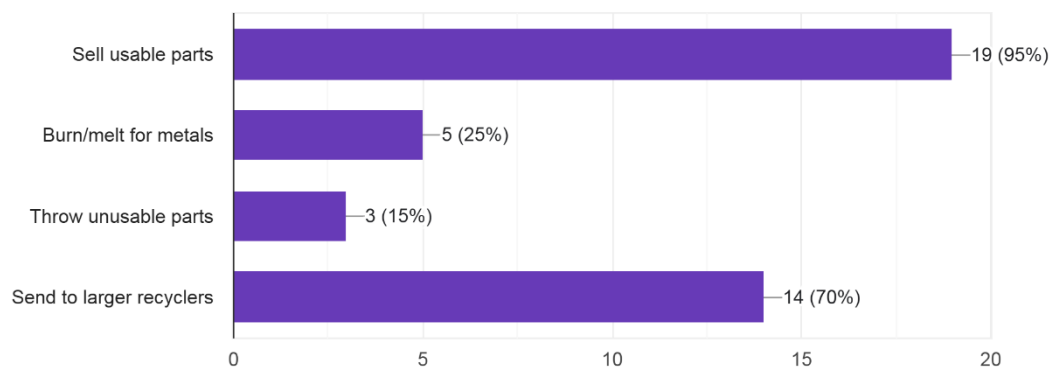


11. What do you do with the parts after dismantling?

Most respondents prefer selling usable parts and sending parts to larger recyclers, while a smaller number burn or discard unusable parts.

11. What do you do with the parts after dismantling?

20 responses

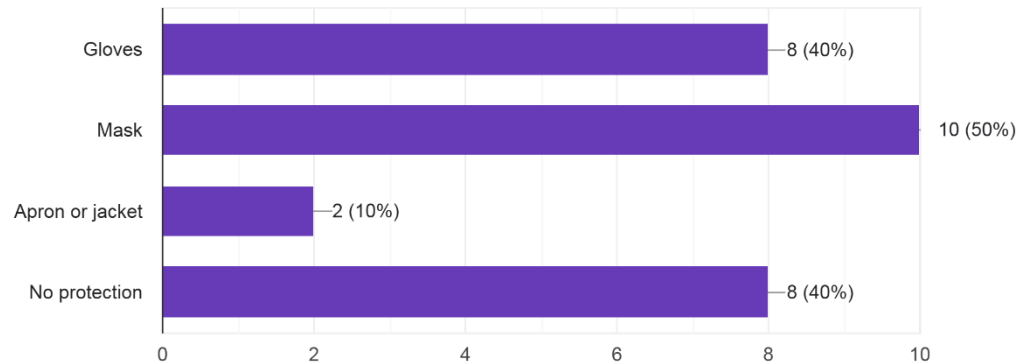


12. Do you use any protective gear while working?

Many respondents do not use protective gear, but a significant number wear masks or gloves while working with e-waste.

12. Do you use any protective gear while working?

20 responses

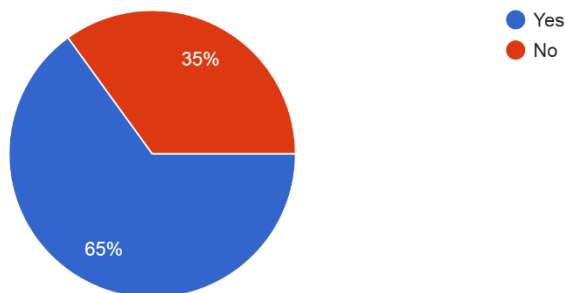


13. Are you aware that some e-waste can harm your health or the environment?

Most respondents are aware that e-waste can harm their health or the environment, but a portion of respondents are unaware of these risks.

13. Are you aware that some e-waste can harm your health or the environment?

20 responses

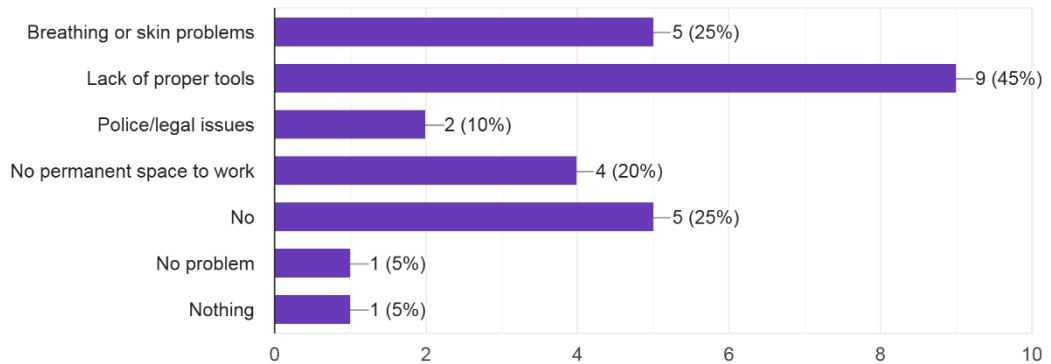


14. Do you face any of the following problems in your work?

Most respondents face issues related to a lack of proper tools, followed by concerns about health problems.

14. Do you face any of the following problems in your work?

20 responses



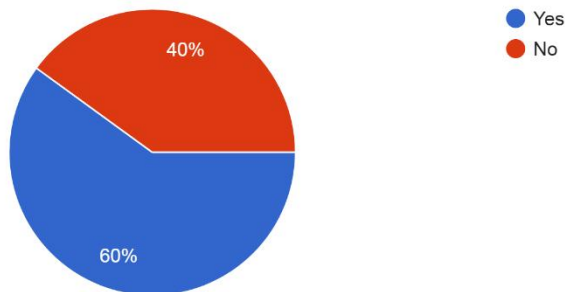
## Section 4: Knowledge and Support

15. Are you aware of any government rules or policies about e-waste?

Most respondents are aware of government rules or policies related to e-waste, while a smaller portion is not familiar with them.

15. Are you aware of any government rules or policies about e-waste?

20 responses



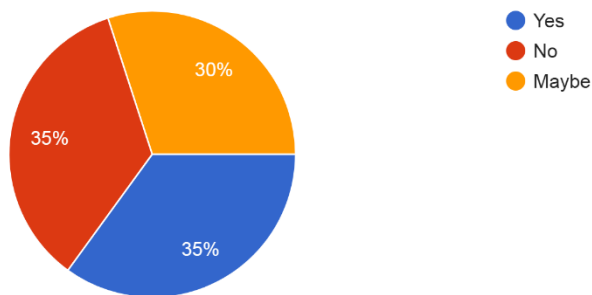
16. Would you be interested in free training or a certificate on safe e-waste handling?

Respondents are equally divided on their interest in training or certification, with a good portion unsure about it.



16. Would you be interested in free training or a certificate on safe e-waste handling?

20 responses

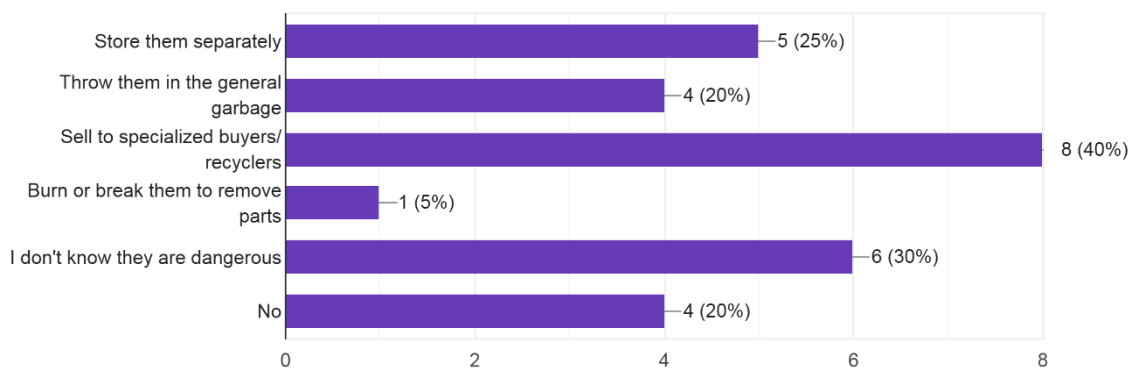


**17. How do you manage dangerous materials (like batteries, CRTs, or mercury parts)?**

A large percentage of respondents sell dangerous materials to specialized buyers, while others are less informed or improperly dispose of them.

17. How do you manage dangerous materials (like batteries, CRTs, or mercury parts)?

20 responses

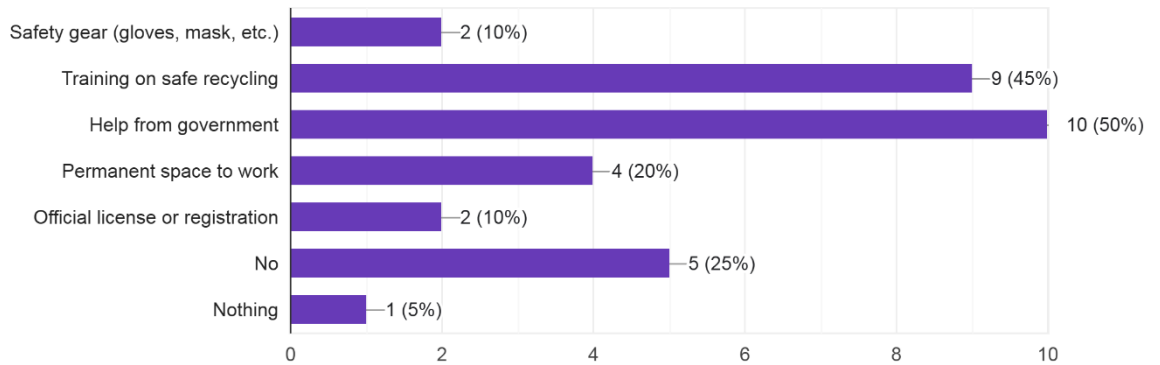


**18. What kind of support would help you do your work more safely and earn more?**

The majority of respondents (50%) would like help from the government to improve their work conditions and earnings.

18. What kind of support would help you do your work more safely and earn more?

20 responses



Section 5: Final Feedback

19. Do you want to share anything else about your work or what you need?

19. Do you want to share anything else about your work or what you need?

20 responses

