

**TABLE-37**

**SOLID WASTE COMPOSITION**

Items	Weight (Kg)	% of Discard Waste
<b>Total weight</b>	<b>720</b>	
<b>Non-Saleable Items</b>	<b>650</b>	<b>90.3</b>
○ <b>Vegetables/fruits/other organics</b>	<b>20</b>	<b>2.8</b>
○ <b>Pampers</b>	<b>10</b>	<b>1.4</b>
○ <b>Used tea leaves</b>		
<b>Saleable Items</b>		
○ <b>Plastic, Rubber</b>	<b>8</b>	<b>1.1</b>
○ <b>Textile</b>	<b>4</b>	<b>0.5</b>
○ <b>Paper</b>	<b>8</b>	<b>1.1</b>
○ <b>Metal</b>	<b>2</b>	<b>0.3</b>
○ <b>Glass</b>	<b>4</b>	<b>0.5</b>
○ <b>Bones</b>	<b>6</b>	<b>0.8</b>
○ <b>Wood</b>	<b>3</b>	<b>0.4</b>
○ <b>Bread</b>	<b>5</b>	<b>0.7</b>

Table-37 shows that the high percentage of discard waste about 90% is vegetables/fruits and other organics like kitchen waste. Most of the discard vegetables/fruits are consumed by the carts owner for feeding their animals.

The second highest percentage of discard non-saleable item is pampers (diapers). Pampers are 3% among non-saleable items, which go to the dumping site.

The break down of saleable and non-saleable item is solid waste (in percentage by weight) are shown in Figure-11 and 12. Figure-11 shows the percent generation and discard of items to the dumping sites. While the Figure-12 shows the percent generation and recovery of saleable items by either scavengers or by cart owners.

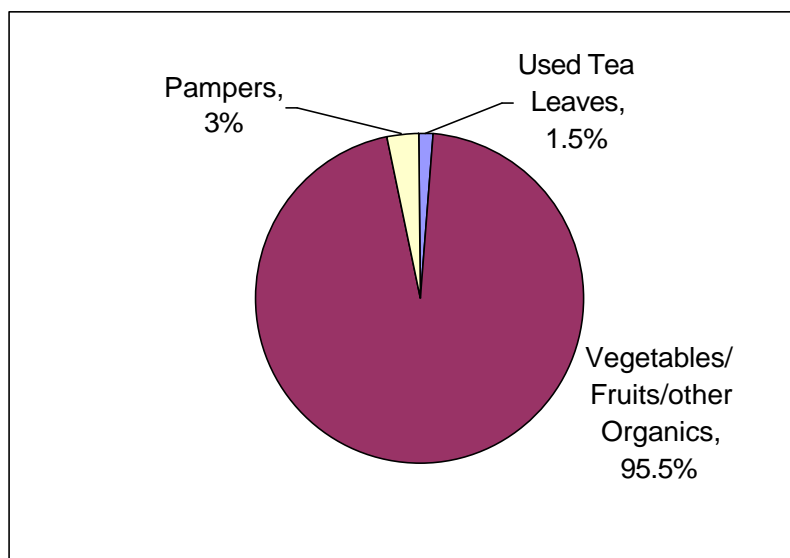
### **3- SOLID WASTE RECYCLING**

#### **3-1 Quality and Quantity of Picked Waste**

As discussed earlier, saleable items are picked from the solid waste discard and sold in Kabari shops (those shops, who buy used items or saleable items collected from solid waste). No Kabari shops are allowed to operate inside the Hayatabad town area. However, there are approximately 20 shops on the Jamrud Road opposite Hayatabad Town, where 90% items come from Hayatabad area, while 10% come from Kacha Gari (Afghan refugees camp). Table- 38 shows the average weight of various saleable items receive at a typical Kabari shop per day. Survey was conducted in 20 shops to find out the total weight of saleable items. Therefore total weight of various items do vary from the average weight. However, the following average was estimated for single day survey.

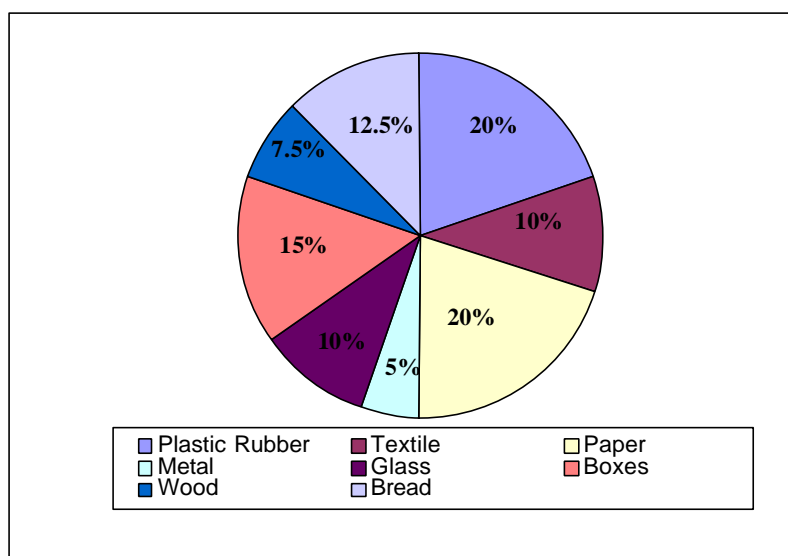
**FIGURE-11**

**PERCENT COMPOSITION OF NON-SALEABLE ITEMS**



**FIGURE-12**

**PERCENT COMPOSITION OF SALEABLE ITEMS**



**TABLE-38**

**AVERAGE AND TOTAL WEIGHT OF SALEABLE ITEMS FOR  
A SINGLE DAY**

Items	Weight (Kg)	Total Weight, 20 Shops (Kg)
Bread	30	600
Bones	40	800
Plastic, Rubber	12	240
Metal	10	200
Glass (bottles)	5	60
Glass	4	48
Newspaper (English)	0.5	10
Newspaper (Urdu) + Note Books	1	20
Ghatta (Paper back, cover)	4	80

**3-2 Recycle Route and Value**

Following Table-39 shows the values (Prices) of the various items in the market.

**TABLE-39**

**PRICES OF SALEABLE ITEMS**

Items	Price Rupees per Kilogram (Rs/Kg)
Bread	5
Bones	3
Plastic, Rubber	13
Metal	10
Glass (Bottles)	3
Glass	1
Paper (English News Paper)	13
Paper (Urdu News Paper + Note Books)	8
Ghatta (Paper Back, Cover)	4

**i) Bread**

Bread is used as a feed to animals. So it is consumed locally by the diary farmers or people who keep animals like buffalo, cow, etc. to sell the diary products in the market.

**ii) Bones**

Bones collected from Hayatabad and all Peshawar areas are sent to Wazirabad and Kala Shah Kako in Punjab province. The main processing unit is Lies Pak Gelatin Ltd., situated at Wazirabad (Punjab). The bones are mainly used in poultry feed, toothpaste, match factory and manufacturing of gelatin. This gelatin is further used in sugar and medicine industries. Some gelatin is also exported to the countries like France and Japan.

**iii) Glass**

Glass collected from Peshawar area is mostly transported to Gujrat (Punjab Province) and Hattar, Haripur (NWFP Province). One glass recycling unit namely Ghani Glass Industry is situated in Hattar, Haripur. It is mainly used for the manufacturing of crockery and bottles.

**iv) Metals/Iron Scrap/Tin etc.**

The main buyers of these items are the steel re-rolling units situated in different parts of the country. Following units are the main buyers of metal/iron scrap from Peshawar city.

- Noomi and Neelum Steel, Hayatabad Industrial Estate, Peshawar.
- Frontier Steel and Afandi Steel, Gadoon Amazai, Industrial Estate, Peshawar.
- Frontier Steel and Lahore Steel, Hayatabad Industrial Estate, Peshawar

A major chunk of this scrap is also sold to various buyers in Lahore. These metals are mainly used in manufacturing of saria (Iron Rod used in construction), iron chains etc.

**v) Plastic**

The main buyers of these plastic items are either in Bara, Peshawar or in Lahore. These plastic are mainly used in Plastic ropes.

**vi) Papers**

Newspapers are used for making envelop. These paper envelop are sold in the shops for packing purpose. Paper, paperboard, cardboard, milk or drink cartons are also used in recycling paper mill.