

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

ULAANBAATAR CITY

MONGOLIA

***THE STUDY ON
SOLID WASTE MANAGEMENT PLAN
FOR ULAANBAATAR CITY
IN MONGOLIA***

DATA BOOK

Final Report

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List of Abbreviations

| | |
|---------|--|
| ADB | Asian Development Bank |
| ATP | Ability To Pay |
| BGD | Bayangol District |
| BKhD | Bagakhangai District |
| BND | Baganuur District |
| BZD | Bayanzurkh District |
| ChD | Chingeltei District |
| CD | Capacity Development |
| CDPPD | City Development Policy Planning Division |
| CMPUD | City Maintenance and Public Utilities Division |
| CMPUA | City Maintenance and Public Utilities Agency |
| CPUDC | Construction and Public Utilities Development Center |
| C/P | Counterpart |
| CSIA | City Specialized Inspection Agency |
| CTP | Community thermal plant |
| DF/R | Draft Final Report |
| EIA | Environmental Impact Assessment |
| EIRR | Economic Internal Rate of Return |
| F/S | Feasibility Study |
| GOM | Government of Mongolia |
| HIW | Hazardous Industrial Waste |
| IC/R | Inception Report |
| IEE | Initial Environmental Examination |
| IT/R | Interim Report |
| JICA | Japan International Cooperation Agency |
| JICA ST | JICA Study team |
| JOCV | Japan Overseas Cooperation Volunteer |
| JV | Joint Venture |
| KhUD | Khan Uul District |
| KH21DS | Khoroo 21 Disposal Site in Songinokhairkhan |
| M/M | Minutes of Meeting |
| MDDS | Morin Davaa Disposal Site |
| MIC | Ministry of Industry and Commerce |
| MOCUD | Ministry of Construction and Urban Development |
| MOECS | Ministry of Education, Culture and Science |
| MOE | Ministry of Environment |
| MOF | Ministry of Finance |
| MOH | Ministry of Health |
| M/P | Master Plan |
| MSWM | Municipal Solid Waste Management |
| MUB | Municipality of Ulaanbaatar |
| NaD | Nalaikh District |
| NDS | Nalaikh Disposal Site |
| NEDS | Narangiin Enger Disposal Site |
| NERC | Narangiin Enger Recycling Complex |
| Non-HIW | Non-Hazardous Industrial Waste |
| NPV | Net Present Value |
| NSO | National Statistical Office |
| Nuuts | Reserve Company |
| O&M | Operation and Maintenance |
| OSNAAG | Ulaanbaatar Housing and Communal Services Company |
| POS | Public Opinion Survey |
| P/P | Pilot Project |
| PR | Public Relations |

| | |
|--------|---|
| P/R | Progress Report |
| RDF | Refuse Derived Fuel |
| SBD | Sukhbaatar District |
| SKhD | Songinokhairkhan District |
| SSIA | State Specialized Inspection Agency |
| ST | Study Team |
| St/C | Steering Committee |
| S/W | Scope of Work |
| SWM | Solid Waste Management |
| TFT | Task Force Team |
| T&M | Time and Motion Survey |
| TUK | Renovation company which provides waste collection, street sweeping, park cleaning, greening services |
| TWG | Technical Working Group |
| UB | Ulaanbaatar |
| UBCSIA | Ulaanbaatar City Specialized Inspection Agency |
| UCDS | Ulaan Chuluut Disposal Site |
| UNDP | United Nations Development Program |
| UNESCO | United Nations Science and Cultural Organization |
| USAG | Water Supply and Sewage System Company |
| USIP | Ulaanbaatar Service Improvement Project |
| WACS | Waste Amount and Composition Survey |
| WB | World Bank |
| WTP | Willingness to Pay |

1 Field Investigation

1.1 Waste composition survey

1.1.1 Methodology

a. Reduction Method for sampling

After transporting all sample waste to the disposal site (waste composition analysis point), the waste samples from each representative sector were reduced by the following method:

- Step 1.** Mixing: Waste from each source is mixed for every category. If the waste contains large particles (e.g., cardboard, textiles, etc.) those items are cut into smaller pieces and mixed again. Cutting the waste into smaller pieces is carried out to obtain an even mixture.
- Step 2.** Dividing: Once the waste is mixed well, it is divided into four segments of approximately the same size.
- Step 3.** Reduction: The two segments of waste diagonally opposite each other are removed and the remaining waste is mixed again.
- Step 4.** The above steps are repeated until the volume of the remaining waste is reduced in size to approximately 40 liters.
- Step 5.** The waste sample is then put into a calibrated plastic bucket and dropped 3 times from a height of 30 centimeters. Then, the volume and weight are recorded.

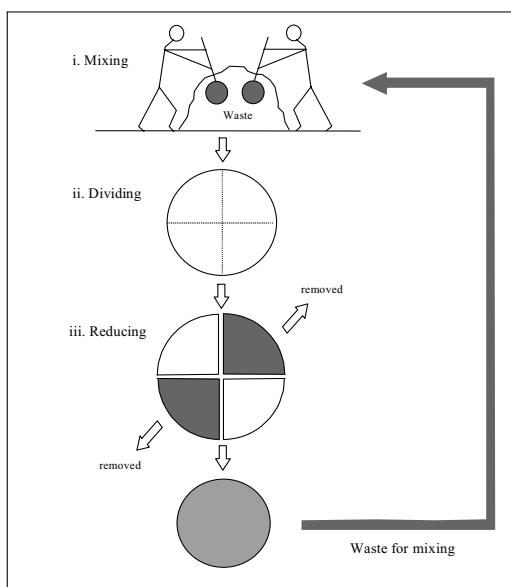


Figure 1-1: Mixing, Reduction, and Separation of Waste Samples (Reduction method)

b. Specific gravity

The specific gravity of the waste sample was calculated with the following formula.

$$\text{Specific gravity} = \text{Net weight of waste} / \text{Volume of waste}$$

c. Physical Composition (wet basis)

The physical composition was measured on a “wet basis” (as discarded, before the waste had a chance to dry). The samples were divided into the following 10 components, and the weight of each was measured.

- paper
- rubber and leather
- kitchen waste
- textiles
- plastics
- grass and wood
- metals
- bottles and glass
- soil and stone
- others

d. Three contents (water content)

First the samples were weighed before drying. Then, after drying out for six hours in a dryer set at 104 degrees, the samples were weighed again and the water content was calculated by the following formula.

$$\text{Water Content (\%)} = \frac{(\text{Original weight} - \text{Dry weight})}{\text{Original weight}} \times 100$$

e. Three content (combustible matter, ash)

After weighting the dried wastes, the samples were mixed and crushed and then burn up for five hours in a furnace set at 500 degrees to measure combustible matter and ash.

$$\text{Ash (\%)} = \frac{\text{sample weight after burning at 500 degrees}}{\text{original sample}} \times 100$$

$$\text{Combustible matter (\%)} = 100 - \text{water content (\%)} - \text{ash (\%)}$$

f. Chemical analysis

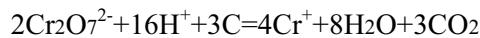
The method of total nitrogen is the Kjeldahl Method (1965). The method of carbon is the Pregeli F., Gelman N.E., and black method

f.1 Nitrogen

Total N is determined by the macro Kjeldahl Method which uses digestion with concentrated sulfuric acid (H_2SO_4) With added sodium sulfate (NaSO_4) to raise the boiling point and copper($\text{CuSO}_4 \cdot 7\text{H}_2\text{O}$) and selenium (Se) powder as catalysts to convert N in there sample to ammonium sulfate ($(\text{NH}_4)_2\text{SO}_4$). This is carried out in 150-ml calibrated test tubes using a commercial (in this case a GERHARD Kjeldahlterm) digestion block.

f.2 Carbon

The method to identify carbon is an adaptation of the Pregeli F., Gelman N.E., and black procedure in which waste is oxidized by dichromate (Cr_2O_7) and sulphuric acid (H_2SO_4)using the heat of dilution of the sulphuric acid (about 120°C) according to the following reaction.



Unreduced dichromate is titrated with ferrous ammonium sulphate using diphenylamine as a redox indicator. Oxidation of organic matter is not complete averaging about 77% therefore, a factor of 1.3 is applied during the calculation.

1.1.2 Result

a. Apparent Specific Gravity

a.1 Winter season

Table 1-1: Apparent Specific Gravity in the Winter season

Unit: kg/liter

| Category | | Winter season | | | | | | | | |
|-----------------|--------------------------------|---------------|---------|---------|---------|---------|---------|---------|---------|---------|
| | | 22 Dec. | 23 Dec. | 24 Dec. | 25 Dec. | 26 Dec. | 27 Dec. | 28 Dec. | 29 Dec. | 30 Dec. |
| Households | Ger with collection service | 0.12 | 0.12 | 0.13 | 0.17 | 0.07 | 0.13 | 0.11 | 0.10 | 0.09 |
| | Ger without collection service | 0.20 | 0.10 | 0.10 | 0.13 | 0.08 | 0.05 | 0.08 | 0.13 | 0.05 |
| | Summer house | 0.13 | 0.11 | 0.15 | 0.12 | 0.14 | 0.11 | 0.07 | 0.14 | 0.05 |
| | Apartment with dust chute | 0.15 | 0.24 | 0.06 | 0.12 | 0.15 | 0.09 | 0.09 | 0.13 | 0.05 |
| | Apartment without dust chute | 0.03 | 0.05 | 0.07 | 0.14 | 0.03 | 0.04 | 0.08 | 0.07 | 0.37 |
| Commercial | Restaurants | 0.46 | 0.37 | 0.32 | 0.17 | 0.19 | 0.20 | 0.12 | 0.32 | 0.16 |
| | Shops | 0.05 | 0.07 | 0.05 | 0.03 | 0.04 | 0.04 | 0.08 | 0.08 | 0.04 |
| Offices | | 0.05 | 0.08 | 0.09 | 0.08 | 0.03 | 0.04 | 0.09 | 0.08 | 0.11 |
| Markets | Meat stalls | 0.29 | 0.26 | 0.28 | 0.30 | 0.04 | 0.22 | 0.27 | 0.21 | 0.15 |
| | Vegetable stalls | 0.02 | 0.03 | 0.43 | 0.00 | 0.10 | 0.11 | 0.03 | 0.25 | 0.18 |
| | Fruit stalls | 0.29 | 0.20 | 0.02 | 0.02 | 0.08 | 0.04 | 0.25 | 0.05 | 0.05 |
| | Dairy product stalls | 0.04 | 0.04 | 0.07 | 0.00 | 0.05 | 0.03 | 0.04 | 0.02 | 0.04 |
| | Other stalls | 0.02 | 0.02 | 0.03 | 0.02 | 0.04 | 0.01 | 0.02 | 0.01 | 0.03 |
| Hotels | | 0.09 | 0.06 | 0.10 | 0.07 | 0.11 | 0.03 | 0.04 | 0.06 | 0.04 |
| Schools | | 0.05 | 0.03 | 0.06 | 0.03 | 0.03 | 0.05 | 0.05 | 0.07 | 0.06 |
| Roads and parks | | 0.04 | 0.05 | 0.03 | 0.08 | 0.08 | 0.10 | 0.08 | 0.05 | 0.05 |

a.2 Summer season

Table 1-2: Apparent Specific Gravity in the Summer season

Unit: kg/liter

| Category | | Summer season | | | | | | | | |
|-----------------|--------------------------------|---------------|--------|--------|--------|--------|--------|--------|--------|--|
| | | 2 July | 3 July | 4 July | 5 July | 6 July | 7 July | 8 July | 9 July | |
| Households | Ger with collection service | 0.06 | 0.12 | 0.17 | 0.13 | 0.13 | 0.12 | 0.10 | 0.13 | |
| | Ger without collection service | 0.12 | 0.13 | 0.15 | 0.09 | 0.06 | 0.05 | 0.08 | 0.14 | |
| | Summer house | 0.14 | 0.14 | 0.16 | 0.10 | 0.02 | 0.12 | 0.21 | 0.11 | |
| | Apartment with dust chute | 0.17 | 0.02 | 0.15 | 0.11 | 0.11 | 0.14 | 0.10 | 0.11 | |
| | Apartment without dust chute | 0.12 | 0.13 | 0.17 | 0.13 | 0.10 | 0.14 | 0.10 | 0.12 | |
| Commercial | Restaurants | 0.26 | 0.33 | 0.38 | 0.18 | 0.23 | 0.38 | 0.24 | 0.20 | |
| | Shops | 0.05 | 0.03 | 0.07 | 0.04 | 0.05 | 0.03 | 0.03 | 0.05 | |
| Offices | | 0.06 | 0.11 | 0.03 | 0.04 | 0.07 | 0.05 | 0.05 | 0.04 | |
| Markets | Meat stalls | 0.21 | 0.27 | 0.38 | 0.09 | 0.23 | 0.10 | 0.19 | 0.07 | |
| | Vegetable stalls | 0.34 | 0.24 | 0.23 | 0.25 | 0.28 | 0.18 | 0.42 | 0.16 | |
| | Fruit stalls | 0.04 | 0.14 | 0.26 | 0.11 | 0.32 | 0.07 | 0.24 | 0.05 | |
| | Dairy product stalls | 0.16 | 0.05 | 0.07 | 0.06 | 0.07 | 0.01 | 0.06 | 0.11 | |
| | Other stalls | 0.06 | 0.04 | 0.02 | 0.04 | 0.10 | 0.02 | 0.08 | 0.03 | |
| Hotels | | 0.04 | 0.04 | 0.06 | 0.04 | 0.05 | 0.07 | 0.10 | 0.07 | |
| Schools | | 0.04 | 0.02 | 0.05 | 0.02 | 0.08 | 0.08 | 0.04 | 0.10 | |
| Roads and parks | | 0.06 | 0.13 | 0.88 | 0.50 | 0.24 | 0.03 | - | 0.42 | |

b. Physical Composition

Table 1-3: Household Waste in the Winter season

Unit : % exclude Ash

| Category | Winter season | | | | | | | | | |
|-----------------------------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|-------|
| | 22 Dec | 23Dec | 24 Dec | 25 Dec | 26 Dec | 27 Dec | 28 Dec | 29 Dec | 30 Dec | |
| Ger with collection service | Kitchen Waste | 35.6 | 37.3 | 29.0 | 31.7 | 40.1 | 4.7 | 5.6 | 43.8 | 20.0 |
| | Paper | 8.3 | 16.6 | 8.6 | 20.4 | 34.0 | 13.6 | 25.6 | 36.5 | 18.9 |
| | Textile | 1.4 | 1.3 | 1.5 | 2.0 | 0.4 | 2.2 | 7.9 | 0.7 | 0.0 |
| | Plastic | 11.7 | 11.7 | 11.6 | 6.9 | 16.0 | 7.3 | 9.4 | 16.1 | 8.3 |
| | Grass and Wood | 0.4 | 0.0 | 0.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 4.7 | 0.0 | 0.0 |
| | Metals | 2.4 | 0.4 | 3.9 | 24.0 | 1.5 | 0.0 | 2.4 | 2.9 | 0.8 |
| | Bottles and Glass | 12.3 | 27.9 | 0.1 | 15.0 | 0.0 | 37.0 | 32.6 | 0.0 | 20.4 |
| | Ceramics and stone | 26.2 | 4.8 | 42.2 | 0.0 | 0.0 | 5.1 | 0.0 | 0.0 | 0.0 |
| | Others | 1.7 | 0.0 | 3.0 | 0.0 | 8.0 | 30.1 | 11.8 | 0.0 | 31.6 |
| Total | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

| | Kitchen Waste | 22.8 | 63.1 | 17.0 | 31.0 | 18.8 | 28.4 | 14.9 | 4.1 |
|--------------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Ger without collection service | Paper | 12.7 | 32.4 | 15.1 | 8.7 | 0.0 | 16.9 | 3.6 | 9.0 |
| | Textile | 11.6 | 2.7 | 0.2 | 0.0 | 40.3 | 0.0 | 4.5 | 0.0 |
| | Plastic | 18.0 | 22.8 | 13.3 | 10.1 | 14.1 | 7.1 | 19.3 | 10.4 |
| | Grass and Wood | 0.2 | 0.3 | 0.2 | 0.2 | 0.0 | 0.3 | 0.0 | 0.2 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 0.4 | 1.9 | 0.4 | 0.4 | 1.7 | 12.9 | 6.3 | 0.6 |
| | Bottles and Glass | 16.2 | 13.1 | 6.2 | 57.7 | 6.0 | 24.0 | 28.8 | 58.6 |
| | Ceramics and stone | 0.0 | 4.0 | 1.3 | 0.0 | 6.8 | 8.0 | 9.0 | 0.0 |
| | Others | 0.2 | 0.0 | 0.2 | 5.9 | 0.1 | 12.0 | 0.1 | 6.3 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Summer house | Kitchen Waste | 26.4 | 10.0 | 45.3 | 37.7 | 49.3 | 17.4 | 41.7 | 37.8 |
| | Paper | 10.4 | 7.8 | 2.7 | 8.7 | 1.9 | 7.7 | 15.5 | 9.0 |
| | Textile | 3.8 | 9.1 | 17.6 | 20.5 | 3.7 | 0.9 | 1.5 | 21.3 |
| | Plastic | 14.9 | 13.7 | 14.0 | 7.9 | 5.6 | 19.7 | 10.2 | 6.4 |
| | Grass and Wood | 0.5 | 43.7 | 0.0 | 0.3 | 0.4 | 0.0 | 0.0 | 0.0 |
| | Rubber and leather | 0.0 | 5.2 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 1.4 | 1.1 | 1.8 | 0.2 | 1.0 | 5.2 | 0.0 | 0.2 |
| | Bottles and Glass | 6.2 | 3.2 | 9.5 | 5.7 | 9.9 | 28.3 | 3.8 | 5.9 |
| | Ceramics and stone | 32.6 | 6.2 | 9.1 | 0.0 | 18.4 | 3.2 | 9.4 | 0.0 |
| | Others | 3.8 | 0.0 | 0.0 | 18.8 | 9.8 | 17.6 | 17.9 | 18.8 |
| Apartment with dust chute | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| | Kitchen Waste | 9.7 | 33.1 | 39.9 | 22.9 | 31.4 | 24.4 | 21.5 | 25.3 |
| | Paper | 6.5 | 3.6 | 14.7 | 6.0 | 3.6 | 3.5 | 15.7 | 4.8 |
| | Textile | 0.4 | 1.7 | 3.1 | 4.1 | 1.1 | 0.6 | 8.2 | 4.1 |
| | Plastic | 6.9 | 3.6 | 20.2 | 52.9 | 53.6 | 21.7 | 16.4 | 52.6 |
| | Grass and Wood | 0.0 | 0.1 | 0.3 | 1.7 | 0.0 | 0.0 | 3.5 | 2.0 |
| | Rubber and leather | 0.0 | 0.0 | 10.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 0.2 | 0.5 | 4.9 | 8.6 | 0.5 | 3.7 | 3.9 | 7.1 |
| | Bottles and Glass | 22.1 | 5.0 | 0.0 | 3.7 | 6.0 | 23.4 | 17.6 | 3.7 |
| | Ceramics and stone | 0.0 | 41.1 | 0.0 | 0.0 | 3.1 | 5.3 | 0.0 | 0.0 |
| Apartment with dust chute | Others | 54.2 | 11.3 | 6.2 | 0.1 | 0.7 | 17.4 | 13.2 | 0.1 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| | Kitchen Waste | 39.5 | 71.7 | 90.8 | 2.7 | 31.6 | 44.8 | 5.1 | 55.6 |
| | Paper | 25.7 | 12.5 | 0.5 | 4.5 | 20.1 | 29.3 | 52.2 | 0.5 |
| | Textile | 5.4 | 5.6 | 4.9 | 5.1 | 0.6 | 7.4 | 0.0 | 25.3 |
| | Plastic | 14.0 | 8.1 | 2.4 | 4.7 | 10.3 | 15.9 | 30.2 | 18.5 |
| | Grass and Wood | 4.1 | 0.0 | 0.0 | 0.5 | 10.3 | 0.0 | 0.0 | 0.5 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.3 |
| | Metals | 7.7 | 0.3 | 0.5 | 2.2 | 21.8 | 0.0 | 0.0 | 0.0 |
| | Bottles and Glass | 3.6 | 1.4 | 0.5 | 18.4 | 5.2 | 2.6 | 8.2 | 0.0 |
| Ger with collection service | Ceramics and stone | 0.0 | 0.4 | 0.3 | 51.5 | 0.0 | 0.0 | 0.2 | 0.0 |
| | Others | 0.0 | 0.0 | 0.1 | 10.4 | 0.1 | 0.0 | 4.1 | 0.1 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Table 1-4: Household Waste in the Summer season

| Category | Summer season | | | | | | | | Unit : % |
|--------------------------------|--------------------|--------|--------|--------|--------|--------|--------|--------|----------|
| | 2 July | 3 July | 4 July | 5 July | 6 July | 7 July | 8 July | 9 July | |
| Ger with collection service | Kitchen Waste | 56.9 | 50.7 | 36.5 | 20.8 | 37.2 | 27.4 | 41.7 | 21.0 |
| | Paper | 6.0 | 8.5 | 11.8 | 9.5 | 8.7 | 14.3 | 16.6 | 3.4 |
| | Textile | 7.5 | 14.2 | 18.9 | 5.8 | 21.6 | 3.3 | 16.8 | 29.5 |
| | Plastic | 13.7 | 20.4 | 14.7 | 18.5 | 17.8 | 26.7 | 17.8 | 15.4 |
| | Grass and Wood | 0.3 | 0.3 | 1.1 | 1.3 | 1.9 | 3.5 | 2.4 | 8.1 |
| | Rubber and leather | 0.1 | - | 3.1 | 15.4 | 6.5 | - | - | 0.2 |
| | Metals | 2.5 | 0.8 | 2.7 | 0.8 | - | - | 4.7 | 1.8 |
| | Bottles and Glass | 13.0 | - | 7.0 | 12.7 | 0.4 | 7.3 | - | 12.9 |
| | Ceramics and stone | - | 1.4 | 4.2 | 9.7 | 0.1 | 17.5 | - | 7.7 |
| | Others | - | 3.7 | - | 5.5 | 5.8 | - | - | - |
| Ger without collection service | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| | Kitchen Waste | 32.3 | 42.0 | 35.5 | 26.6 | 3.6 | 47.8 | 35.6 | 76.8 |
| | Paper | 6.3 | 4.6 | 5.6 | 17.0 | 16.8 | 7.0 | 13.6 | 5.7 |
| | Textile | 5.2 | 5.1 | 4.7 | 20.7 | - | 10.0 | 1.4 | - |
| | Plastic | 15.6 | 28.4 | 9.1 | 15.7 | 18.6 | 33.8 | 21.3 | - |
| | Grass and Wood | 2.7 | - | 37.6 | - | - | - | 0.2 | 0.9 |
| | Rubber and leather | 0.5 | 8.3 | 0.9 | 12.2 | - | - | - | - |
| | Metals | 1.8 | 2.3 | 0.9 | 1.9 | 2.1 | 1.4 | 10.9 | 3.5 |
| | Bottles and Glass | - | 4.9 | 4.4 | 5.2 | 52.3 | - | 17.0 | 13.1 |
| | Ceramics and stone | - | 3.8 | 1.3 | 0.7 | - | - | - | - |

| | | | | | | | | | |
|---------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Others | 35.6 | 0.6 | - | - | 6.6 | - | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Summer house | Kitchen Waste | 22.3 | 3.2 | 31.4 | 13.8 | 42.3 | 30.1 | 29.9 | 61.6 |
| | Paper | 6.8 | 11.0 | 11.5 | 15.6 | 18.3 | 16.1 | 13.8 | 11.0 |
| | Textile | 5.8 | 1.5 | 2.4 | 9.8 | 3.7 | 18.6 | 2.1 | 5.6 |
| | Plastic | 20.7 | 23.1 | 12.3 | 17.2 | 18.0 | 15.7 | 11.9 | 16.2 |
| | Grass and Wood | 0.3 | 2.3 | 4.5 | 10.9 | 0.6 | - | 8.3 | 0.5 |
| | Rubber and leather | 3.8 | - | 0.6 | - | 4.7 | - | - | - |
| | Metals | 6.3 | 12.8 | 8.4 | 1.2 | 0.9 | 5.3 | 11.2 | 5.1 |
| | Bottles and Glass | 14.5 | 15.4 | 21.0 | 31.5 | 4.6 | 8.8 | 9.1 | - |
| | Ceramics and stone | 3.1 | 17.9 | 7.9 | - | 6.9 | 5.4 | 12.0 | - |
| | Others | 16.4 | 12.8 | - | - | - | - | 1.7 | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Apartment with dust chute | Kitchen Waste | 42.8 | 25.6 | 31.1 | 47.2 | 41.5 | 36.2 | 69.0 | 33.3 |
| | Paper | 9.8 | 29.4 | 13.7 | 34.8 | 21.8 | 31.6 | 15.9 | 3.9 |
| | Textile | 2.5 | 2.1 | 2.5 | - | 11.4 | 1.7 | 1.8 | 23.0 |
| | Plastic | 18.5 | 16.0 | 24.3 | 14.9 | 20.5 | 7.5 | 10.3 | 12.0 |
| | Grass and Wood | 0.6 | 0.1 | 0.1 | 0.2 | 0.2 | - | 0.1 | 6.6 |
| | Rubber and leather | 2.3 | - | - | - | - | - | 0.1 | 0.1 |
| | Metals | 0.1 | 2.8 | 3.0 | - | 1.4 | 1.1 | 0.3 | 2.2 |
| | Bottles and Glass | 15.6 | 13.7 | 7.4 | - | - | 9.1 | - | 12.9 |
| | Ceramics and stone | 7.8 | 10.3 | 17.9 | 2.9 | 3.2 | 12.8 | 2.5 | 6.0 |
| | Others | - | - | - | - | - | - | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Apartment with dust chute | Kitchen Waste | 21.6 | 32.8 | 32.9 | 25.8 | 33.7 | 58.4 | 45.1 | 34.7 |
| | Paper | 5.7 | 24.5 | 15.4 | 15.0 | 30.8 | 18.8 | 18.2 | 28.8 |
| | Textile | 1.8 | 3.5 | 4.5 | 6.8 | 4.8 | - | 7.0 | 1.0 |
| | Plastic | 9.0 | 16.8 | 12.0 | 25.4 | 18.4 | 14.9 | 10.4 | 14.5 |
| | Grass and Wood | 0.8 | - | 1.3 | - | - | 0.1 | 2.5 | - |
| | Rubber and leather | - | - | 0.1 | 0.5 | - | - | 5.9 | - |
| | Metals | 12.5 | 3.5 | 1.2 | 1.3 | 5.5 | - | 2.7 | - |
| | Bottles and Glass | 46.2 | 16.1 | 28.2 | 21.5 | 3.9 | 0.2 | 5.2 | 17.0 |
| | Ceramics and stone | 2.4 | 1.9 | 2.8 | 3.7 | 2.9 | 7.6 | 3.0 | 4.0 |
| | Others | - | 0.9 | 1.6 | - | - | - | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Table 1-5: Other Waste in the Winter season (1/2)

Unit : % exclude Ash

| Category | Winter season | | | | | | | | | |
|-------------------------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|-------|
| | 22 Dec | 23Dec | 24 Dec | 25 Dec | 26 Dec | 27 Dec | 28 Dec | 29 Dec | 30 Dec | |
| Commercial (Restaurant) | Kitchen Waste | 84.4 | 90.5 | 71.5 | 17.9 | 54.9 | 45.8 | 35.3 | 71.9 | 0.0 |
| | Paper | 3.4 | 0.8 | 4.5 | 5.1 | 14.8 | 6.5 | 9.0 | 3.7 | 17.3 |
| | Textile | 0.0 | 0.0 | 1.8 | 0.1 | 0.0 | 0.0 | 0.0 | 1.9 | 0.0 |
| | Plastic | 7.5 | 7.3 | 6.3 | 6.6 | 14.0 | 14.1 | 9.6 | 6.1 | 10.0 |
| | Grass and Wood | 0.1 | 0.3 | 0.0 | 0.1 | 0.0 | 0.3 | 0.0 | 0.0 | 0.9 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 0.5 | 0.5 | 1.1 | 12.0 | 8.7 | 7.2 | 2.0 | 1.1 | 7.9 |
| | Bottles and Glass | 2.2 | 0.6 | 14.8 | 57.6 | 6.0 | 26.1 | 44.1 | 15.3 | 45.8 |
| | Ceramics and stone | 1.9 | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Others | 0.0 | 0.0 | 0.0 | 0.1 | 1.6 | 0.0 | 0.0 | 0.0 | 18.1 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Commercial (Shops) | Kitchen Waste | 7.3 | 0.0 | 3.3 | 11.7 | 0.0 | 7.0 | 0.0 | 0.0 | 4.7 |
| | Paper | 40.8 | 45.3 | 46.1 | 0.0 | 57.6 | 18.8 | 30.0 | 47.1 | 19.8 |
| | Textile | 0.0 | 9.5 | 0.4 | 64.9 | 3.2 | 0.0 | 4.3 | 0.0 | 0.0 |
| | Plastic | 22.9 | 15.3 | 22.9 | 7.1 | 32.3 | 30.3 | 17.8 | 3.5 | 18.5 |
| | Grass and Wood | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.0 | 0.0 | 3.9 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 2.9 | 0.0 | 11.4 | 8.4 | 1.4 | 17.8 | 0.2 | 3.2 | 12.9 |
| | Bottles and Glass | 0.0 | 0.0 | 7.0 | 7.8 | 5.5 | 8.0 | 0.0 | 43.6 | 26.3 |
| | Ceramics and stone | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Others | 26.1 | 29.9 | 8.9 | 0.1 | 0.0 | 17.7 | 47.7 | 2.6 | 13.9 |

| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | |
|---------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Office | Kitchen Waste | 10.6 | 44.3 | 1.4 | 16.8 | 19.6 | 8.3 | 11.2 | 17.1 | 0.0 |
| | Paper | 24.0 | 14.6 | 21.1 | 15.9 | 32.1 | 29.6 | 21.6 | 31.7 | 12.9 |
| | Textile | 14.5 | 2.8 | 0.0 | 14.8 | 0.0 | 11.8 | 1.8 | 4.3 | 0.0 |
| | Plastic | 23.6 | 24.4 | 17.1 | 17.1 | 28.4 | 26.4 | 16.1 | 20.1 | 15.8 |
| | Grass and Wood | 0.6 | 4.1 | 0.3 | 0.0 | 0.0 | 0.3 | 0.0 | 0.0 | 0.0 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 2.2 | 8.0 | 1.1 | 4.1 | 0.7 | 0.0 | 10.4 | 10.4 | 6.4 |
| | Bottles and Glass | 15.8 | 0.0 | 49.8 | 18.8 | 18.0 | 18.7 | 38.8 | 0.0 | 51.9 |
| | Ceramics and stone | 0.0 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Others | 8.7 | 0.0 | 9.2 | 12.5 | 1.0 | 4.9 | 0.1 | 16.4 | 13.0 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Market (Meat stalls) | Kitchen Waste | 0.0 | 20.7 | 0.0 | 0.0 | 0.0 | 78.0 | 9.5 | 38.4 | 88.0 |
| | Paper | 0.2 | 1.3 | 0.0 | 0.0 | 0.0 | 2.6 | 0.7 | 0.6 | 0.5 |
| | Textile | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.4 | 6.5 |
| | Plastic | 0.0 | 3.6 | 0.0 | 0.0 | 0.0 | 8.8 | 1.7 | 2.9 | 5.0 |
| | Grass and Wood | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 1.6 | 0.3 | 0.2 | 0.0 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Bottles and Glass | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Ceramics and stone | 99.7 | 73.6 | 0.0 | 0.0 | 100.0 | 9.0 | 87.4 | 55.3 | 0.0 |
| | Others | 0.1 | 0.1 | 0.0 | 100.0 | 0.0 | 0.0 | 0.4 | 0.2 | 0.0 |
| | Total | 100.0 | 100.0 | 0.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Market (Vegetable stalls) | Kitchen Waste | 62.8 | 64.0 | 69.0 | 69.6 | 99.5 | 65.5 | 64.6 | 91.9 | 51.5 |
| | Paper | 20.4 | 15.7 | 15.0 | 15.2 | 0.0 | 13.4 | 16.1 | 3.2 | 24.1 |
| | Textile | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Plastic | 11.7 | 17.6 | 14.2 | 14.3 | 0.3 | 21.1 | 15.5 | 3.1 | 24.4 |
| | Grass and Wood | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.0 | 0.0 | 0.7 | 0.0 |
| | Bottles and Glass | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Ceramics and stone | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Others | 5.1 | 2.7 | 1.8 | 0.9 | 0.0 | 0.0 | 3.8 | 1.1 | 0.0 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Table 1-6: Other Waste in the Winter season (2/2)

Unit : % exclude Ash

| Category | Winter season | | | | | | | | | |
|-------------------------------|--------------------|-------|--------|--------|--------|--------|--------|--------|--------|-------|
| | 22 Dec | 23Dec | 24 Dec | 25 Dec | 26 Dec | 27 Dec | 28 Dec | 29 Dec | 30 Dec | |
| Market (Fruit) | Kitchen Waste | 99.5 | 99.4 | 99.9 | 0.0 | 93.3 | 99.8 | 95.9 | 0.0 | 74.2 |
| | Paper | 0.3 | 0.3 | 0.0 | 0.0 | 6.3 | 0.0 | 2.4 | 8.8 | 24.6 |
| | Textile | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Plastic | 0.2 | 0.3 | 0.1 | 0.0 | 0.4 | 0.2 | 1.5 | 0.0 | 1.1 |
| | Grass and Wood | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Bottles and Glass | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Ceramics and stone | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Others | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 91.2 | 0.1 |
| | Total | 100.0 | 100.0 | 100.0 | 0.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Market (Dairy product stalls) | Kitchen Waste | 50.8 | 39.8 | 48.5 | 59.6 | 40.4 | 27.5 | 45.3 | 9.0 | 29.7 |
| | Paper | 4.7 | 12.4 | 4.1 | 6.4 | 10.4 | 20.3 | 7.9 | 63.2 | 0.0 |
| | Textile | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Plastic | 35.2 | 40.9 | 34.7 | 34.0 | 39.0 | 46.2 | 37.9 | 9.0 | 69.3 |
| | Grass and Wood | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Bottles and Glass | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Ceramics and stone | 9.3 | 4.8 | 12.7 | 0.0 | 7.7 | 0.0 | 6.8 | 18.8 | 0.0 |
| | Others | 0.0 | 2.1 | 0.0 | 0.0 | 2.5 | 6.0 | 2.1 | 0.0 | 1.0 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

| | | | | | | | | | | |
|-----------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Market (Other stalls) | Kitchen Waste | 39.1 | 22.2 | 57.4 | 31.4 | 35.3 | 0.0 | 29.2 | 9.3 | 0.0 |
| | Paper | 13.6 | 6.7 | 0.0 | 47.1 | 30.2 | 0.0 | 10.8 | 21.0 | 30.1 |
| | Textile | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.7 | 0.0 |
| | Plastic | 23.0 | 49.7 | 29.5 | 21.4 | 18.2 | 82.7 | 37.5 | 66.0 | 69.9 |
| | Grass and Wood | 2.9 | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 2.7 | 0.0 | 0.0 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 1.7 | 0.9 | 0.8 | 0.0 | 0.0 | 0.0 | 1.7 | 0.0 | 0.0 |
| | Bottles and Glass | 10.2 | 5.3 | 0.0 | 0.0 | 0.0 | 0.0 | 7.7 | 0.0 | 0.0 |
| | Ceramics and stone | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 9.9 | 0.0 | 0.0 | 0.0 |
| | Others | 9.5 | 13.4 | 12.3 | 0.1 | 16.3 | 7.4 | 10.4 | 0.0 | 0.0 |
| Hotels | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| | Kitchen Waste | 5.7 | 3.5 | 11.6 | 0.0 | 10.5 | 10.5 | 0.0 | 0.0 | 0.0 |
| | Paper | 8.4 | 32.9 | 11.9 | 11.3 | 6.3 | 59.2 | 76.4 | 40.5 | 0.0 |
| | Textile | 2.1 | 2.5 | 1.5 | 0.0 | 3.6 | 0.0 | 3.2 | 0.0 | 0.0 |
| | Plastic | 19.6 | 17.4 | 10.3 | 28.9 | 12.7 | 23.8 | 9.6 | 28.7 | 100.0 |
| | Grass and Wood | 0.0 | 0.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 1.9 | 2.5 | 2.3 | 4.3 | 0.0 | 6.5 | 3.8 | 0.4 | 0.0 |
| | Bottles and Glass | 54.0 | 33.6 | 0.0 | 41.3 | 63.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Ceramics and stone | 2.2 | 1.3 | 0.0 | 0.4 | 3.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| Schools | Others | 6.1 | 6.3 | 61.9 | 13.8 | 0.0 | 0.0 | 7.0 | 30.4 | 0.0 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| | Kitchen Waste | 1.2 | 18.6 | 0.8 | 0.0 | 18.2 | 0.7 | 5.3 | 3.9 | 13.8 |
| | Paper | 29.8 | 81.4 | 36.0 | 13.7 | 22.8 | 23.7 | 34.2 | 38.0 | 7.2 |
| | Textile | 0.0 | 0.0 | 0.0 | 0.5 | 10.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Plastic | 17.5 | 0.0 | 12.1 | 21.5 | 4.2 | 20.0 | 10.8 | 2.3 | 24.5 |
| | Grass and Wood | 13.4 | 0.0 | 23.9 | 1.0 | 0.0 | 0.0 | 0.0 | 3.3 | 0.0 |
| | Rubber and leather | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Metals | 4.4 | 0.0 | 7.2 | 0.5 | 0.0 | 0.4 | 0.0 | 0.0 | 4.4 |
| | Bottles and Glass | 31.7 | 0.0 | 16.5 | 60.5 | 28.0 | 55.2 | 2.2 | 0.0 | 50.1 |
| Roads and parks | Ceramics and stone | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | Others | 2.0 | 0.0 | 3.5 | 2.3 | 16.3 | 0.0 | 47.5 | 52.5 | 0.0 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Table 1-7: Other Waste in the Summer season (1/2)

| Category | Winter season | | | | | | | | Unit : % |
|-------------------------|--------------------|--------|--------|--------|--------|--------|--------|--------|----------|
| | 2 July | 3 July | 4 July | 5 July | 6 July | 7 July | 8 July | 9 July | |
| Commercial (Restaurant) | Kitchen Waste | 47.5 | 73.9 | 59.6 | 45.1 | 57.7 | 71.4 | 30.1 | 48.8 |
| | Paper | 1.9 | 2.5 | 14.9 | 10.1 | 8.0 | 6.8 | 13.1 | 10.2 |
| | Textile | - | - | - | 7.6 | - | - | 2.0 | - |
| | Plastic | 11.1 | 5.5 | 14.8 | 10.7 | 8.2 | 8.0 | 13.0 | 14.4 |
| | Grass and Wood | 1.9 | 0.1 | 0.2 | 1.3 | 1.3 | 0.6 | 0.1 | - |
| | Rubber and leather | - | - | - | - | - | - | 0.2 | - |
| | Metals | 4.9 | 1.7 | 2.6 | 15.5 | 5.9 | 5.3 | 2.6 | 8.4 |
| | Bottles and Glass | 21.8 | 15.9 | 6.3 | 9.7 | 18.9 | 7.7 | 36.1 | 18.2 |
| | Ceramics and stone | 10.9 | 0.4 | 1.6 | - | - | 0.2 | 2.8 | - |
| | Others | - | - | - | - | - | - | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

| | | | | | | | | | |
|---------------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Kitchen Waste | 4.7 | 5.5 | 4.3 | - | 9.0 | 1.6 | 0.2 | 17.4 |
| Commercial (Shops) | Paper | 24.9 | 63.0 | 24.0 | 26.9 | 37.2 | 67.3 | 37.7 | 35.6 |
| | Textile | 0.8 | 0.4 | - | 9.0 | 3.1 | - | 0.3 | - |
| | Plastic | 37.8 | 18.3 | 36.7 | 34.0 | 35.5 | 8.6 | 15.4 | 10.1 |
| | Grass and Wood | 1.4 | 3.8 | - | 0.6 | 2.5 | - | 12.5 | - |
| | Rubber and leather | 0.5 | 0.9 | 6.3 | - | 0.2 | 0.2 | 0.2 | 0.3 |
| | Metals | 3.3 | - | 0.6 | - | - | 0.5 | 16.8 | 0.3 |
| | Bottles and Glass | 6.6 | 4.3 | 20.0 | - | 8.7 | 17.1 | 7.8 | 20.1 |
| | Ceramics and stone | 1.1 | - | - | - | 3.8 | 1.9 | - | 11.9 |
| | Others | 18.9 | 3.8 | 8.1 | 29.5 | - | 2.8 | 9.1 | 4.3 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Office | Kitchen Waste | - | 0.4 | 2.7 | 30.3 | - | 3.7 | 7.1 | - |
| | Paper | 86.8 | 4.0 | 23.4 | 21.0 | 36.1 | 31.9 | 42.4 | 21.6 |
| | Textile | 1.9 | - | 2.0 | 1.0 | 0.7 | 0.7 | 0.9 | 11.9 |
| | Plastic | 3.2 | 0.4 | 4.6 | 17.5 | 15.3 | 5.8 | 15.0 | 14.7 |
| | Grass and Wood | 7.1 | 94.7 | 4.8 | 26.2 | 4.6 | 57.7 | 8.1 | 51.7 |
| | Rubber and leather | - | - | - | - | - | 0.1 | - | 0.1 |
| | Metals | 0.2 | 0.5 | 0.4 | - | 0.7 | 0.1 | - | - |
| | Bottles and Glass | 0.8 | - | 8.4 | - | - | - | 23.9 | - |
| | Ceramics and stone | - | - | 49.9 | 4.0 | 42.6 | - | 2.6 | - |
| | Others | - | - | 3.8 | - | - | - | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Market (Meat stalls) | Kitchen Waste | - | 33.6 | 22.7 | 28.2 | 5.7 | 14.4 | 11.5 | 6.0 |
| | Paper | 71.1 | 6.6 | 10.1 | 41.4 | 8.4 | 18.8 | 3.5 | 17.0 |
| | Textile | - | 0.7 | - | - | - | - | 11.4 | - |
| | Plastic | 28.9 | 9.7 | 6.4 | 10.5 | 24.4 | 7.7 | - | 25.7 |
| | Grass and Wood | - | 0.3 | - | 1.1 | 0.1 | - | 0.1 | - |
| | Rubber and leather | - | 0.1 | - | - | 0.1 | - | - | - |
| | Metals | - | 0.1 | - | 0.9 | - | - | - | - |
| | Bottles and Glass | - | - | - | - | - | - | - | - |
| | Ceramics and stone | - | 48.9 | 60.8 | 17.9 | 61.3 | 59.1 | 73.5 | 51.3 |
| | Others | - | - | - | - | - | - | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Market (Vegetable stalls) | Kitchen Waste | 13.5 | 21.8 | 50.5 | 44.9 | 32.8 | 26.4 | 63.7 | 48.2 |
| | Paper | 75.2 | 67.4 | 36.7 | 45.6 | 53.8 | 66.6 | 16.0 | 33.2 |
| | Textile | - | - | - | - | - | - | 10.9 | - |
| | Plastic | 10.7 | 10.8 | 12.7 | 7.1 | 11.7 | 7.0 | 8.0 | 18.6 |
| | Grass and Wood | 0.6 | - | 0.1 | - | 0.1 | - | 0.2 | - |
| | Rubber and leather | - | - | - | - | 1.4 | - | - | - |
| | Metals | - | - | - | - | 0.2 | - | 0.1 | - |
| | Bottles and Glass | - | - | - | 2.3 | - | - | 1.1 | - |
| | Ceramics and stone | - | - | - | - | - | - | - | - |
| | Others | - | - | - | 0.1 | - | - | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

Table 1-8: Other Waste in the Summer season (2/2)

| Category | Winter season | | | | | | | | Unit : % |
|----------------|--------------------|--------|--------|--------|--------|--------|--------|--------|----------|
| | 2 July | 3 July | 4 July | 5 July | 6 July | 7 July | 8 July | 9 July | |
| Market (Fruit) | Kitchen Waste | 56.4 | 79.4 | 83.6 | 88.7 | 87.8 | 83.6 | 79.6 | 94.4 |
| | Paper | 3.2 | 6.8 | 11.4 | 0.6 | 9.2 | 12.2 | 15.1 | 4.4 |
| | Textile | - | 0.5 | 0.1 | - | - | - | - | - |
| | Plastic | 0.8 | 6.5 | 4.9 | 4.2 | 3.0 | 4.2 | 5.3 | 1.1 |
| | Grass and Wood | - | - | - | 0.1 | - | - | - | - |
| | Rubber and leather | - | - | - | - | - | - | - | - |
| | Metals | - | 0.4 | - | 0.1 | - | - | - | 0.1 |
| | Bottles and Glass | - | - | - | - | - | - | - | - |
| | Ceramics and stone | 39.6 | 6.4 | - | 6.3 | - | - | - | - |
| | Others | - | - | - | - | - | - | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| p | Kitchen Waste | 64.5 | 24.7 | 38.6 | 16.1 | 8.6 | 23.7 | 14.2 | 38.1 |

| | | | | | | | | | |
|-----------------------|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Paper | 1.2 | 12.5 | 6.4 | 17.7 | 65.7 | 29.1 | 18.0 | 4.1 |
| | Textile | 11.2 | 2.3 | 10.0 | 12.6 | - | - | 3.8 | - |
| | Plastic | 17.5 | 58.9 | 31.6 | 27.5 | 25.1 | 38.8 | 42.8 | 43.1 |
| | Grass and Wood | - | 0.3 | - | - | 0.4 | 3.7 | 0.6 | - |
| | Rubber and leather | - | - | - | - | - | - | 0.3 | - |
| | Metals | 0.7 | 0.8 | - | 13.1 | 0.2 | 4.7 | 0.3 | 4.3 |
| | Bottles and Glass | 4.9 | - | 13.4 | - | - | - | 20.0 | 10.4 |
| | Ceramics and stone | - | 0.5 | - | 13.0 | - | - | - | - |
| | Others | - | - | - | - | - | - | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Market (Other stalls) | Kitchen Waste | 5.9 | 13.7 | 4.2 | 37.7 | 8.0 | 17.7 | 44.3 | 16.3 |
| | Paper | 39.9 | 19.9 | 33.3 | 32.8 | 18.1 | 54.5 | 41.7 | 42.8 |
| | Textile | - | - | - | 4.0 | - | - | - | - |
| | Plastic | 42.4 | 26.9 | 60.4 | 17.5 | 13.4 | 27.8 | 11.6 | 38.9 |
| | Grass and Wood | - | 39.5 | 0.7 | - | 0.2 | - | 2.0 | - |
| | Rubber and leather | - | - | 0.7 | - | 0.1 | - | 0.2 | - |
| | Metals | - | - | 0.7 | - | - | - | 0.2 | - |
| | Bottles and Glass | 11.8 | - | - | 6.2 | - | - | - | 2.0 |
| | Ceramics and stone | - | - | - | 1.8 | 60.2 | - | - | - |
| | Others | - | - | - | - | - | - | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Hotels | Kitchen Waste | 1.1 | 13.0 | 4.1 | - | 7.8 | 12.4 | 23.3 | 4.2 |
| | Paper | 24.8 | 27.4 | 19.1 | 42.6 | 17.5 | 25.0 | 18.1 | 19.9 |
| | Textile | 2.8 | 3.3 | 2.0 | - | 5.7 | 1.7 | 3.4 | 3.1 |
| | Plastic | 15.2 | 25.9 | 22.9 | 47.7 | 26.8 | 25.7 | 18.6 | 16.3 |
| | Grass and Wood | 0.1 | 2.2 | 0.5 | - | 2.1 | - | 0.1 | 5.0 |
| | Rubber and leather | - | 1.9 | - | - | - | 1.7 | 21.7 | - |
| | Metals | 4.9 | 8.2 | 3.2 | 5.2 | 10.0 | 5.3 | 3.0 | 7.8 |
| | Bottles and Glass | 40.7 | 16.5 | 48.2 | 4.5 | 27.6 | 28.2 | 10.2 | 39.8 |
| | Ceramics and stone | 10.4 | - | - | - | - | - | 1.6 | - |
| | Others | - | 1.6 | - | - | 2.5 | - | - | 3.9 |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Schools | Kitchen Waste | - | - | 13.3 | - | 5.4 | - | - | - |
| | Paper | 23.5 | 26.3 | 46.4 | - | 10.0 | 22.6 | 57.5 | 34.4 |
| | Textile | 3.1 | 4.6 | 2.7 | - | 1.3 | 13.0 | 0.8 | 34.2 |
| | Plastic | 29.0 | 10.6 | 28.3 | - | 10.0 | 24.7 | 24.0 | 31.4 |
| | Grass and Wood | 20.1 | - | - | 100.0 | 1.3 | 6.7 | 0.3 | - |
| | Rubber and leather | 2.4 | 2.4 | 3.0 | - | - | - | 0.3 | - |
| | Metals | 2.0 | 6.1 | - | - | 72.0 | - | 4.4 | - |
| | Bottles and Glass | 18.3 | 50.0 | - | - | - | 21.1 | 9.9 | - |
| | Ceramics and stone | 1.6 | - | - | - | - | - | 2.8 | - |
| | Others | - | - | 6.3 | - | - | 11.9 | - | - |
| | Total | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| Roads and parks | Kitchen Waste | 46.1 | - | - | - | - | - | - | 83.1 |
| | Paper | 9.4 | - | 3.1 | 12.3 | 8.5 | 60.6 | - | 4.9 |
| | Textile | 2.9 | - | - | - | - | - | - | - |
| | Plastic | 19.7 | - | 4.3 | 64.3 | 12.1 | 18.9 | - | 6.5 |
| | Grass and Wood | - | - | 0.9 | 5.3 | 1.6 | - | - | - |
| | Rubber and leather | - | - | - | 3.5 | - | - | - | - |
| | Metals | 4.0 | - | 0.1 | 14.6 | 42.7 | - | - | - |
| | Bottles and Glass | 17.9 | - | - | - | 4.4 | - | - | 5.5 |
| | Ceramics and stone | - | - | 91.6 | - | 30.7 | 20.5 | - | - |
| | Others | - | - | - | - | - | - | - | - |
| | Total | 100.0 | - | 100.0 | 100.0 | 100.0 | 100.0 | - | 100.0 |

1.2 Public Opinion Survey

Cross-tabulations by type of residence /among households/

a. General Question

21_1 The most serious problem in UB at present * Q8 What type is your residence? Crosstabulation

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | | Total |
|---|-------------------------------------|------------------------------------|--|---|--------|--------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | | |
| Q1_1 | 1 Inadequate supply of safe water | 4,3% | 3,9% | 37,5% | 3,8% | |
| The most serious problem in UB at present | 2 High crime rate | 8,5% | 7,6% | 4,4% | 12,5% | 6,3% |
| | 3 poverty problems | 18,1% | 19,6% | 19,9% | 37,5% | 19,8% |
| | 4 Economic issues such as inflation | 13,8% | 10,9% | 23,3% | | 17,8% |
| | 5 Social unrest | 7,4% | 4,3% | 1,9% | | 3,8% |
| | 6 Political instability | 5,3% | 2,2% | 3,4% | | 3,5% |
| | 7 Bribes and corruption | 1,1% | 5,4% | | | 1,5% |
| | 8 Environmental problems | 22,3% | 30,4% | 18,0% | | 21,5% |
| | 9 Land ownership issues | | | 1,0% | | ,5% |
| | 10 Drug problems | 5,3% | 5,4% | 6,3% | 12,5% | 6,0% |
| | 11 Unemployment | 17,0% | 8,7% | 16,5% | | 14,5% |
| | 12 Natural disasters | 1,1% | 1,1% | | | ,5% |
| | 14 Others | | | 1,5% | | ,8% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|--------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | -,046 | ,043 | -1,086 |
| Ordinal | Kendall's tau-c | -,045 | ,041 | -1,086 |
| N of Valid Cases | | 400 | | ,277 |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q1-2 What kinds of problems are there? Please check all you agree except the most serious problem.

| | What type is your residence? | | | | | Total | |
|------------------------|-------------------------------------|------------------------------------|--|---|-------|------------|----|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | | | |
| Serious problems in UB | 1 Inadequate supply of safe water | Count | 4 | 12 | 51 | 1 68 | |
| | | Column % | 4,3 | 13,0 | 24,9 | 12,5 17,0 | |
| | 2 High crime rate | Count | 44 | 32 | 95 | 2 173 | |
| | | Column % | 46,8 | 34,8 | 46,3 | 25,0 43,4 | |
| | 3 poverty problems | Count | 42 | 46 | 118 | 2 208 | |
| | | Column % | 44,7 | 50,0 | 57,6 | 25,0 52,1 | |
| | 4 Economic issues such as inflation | Count | 41 | 50 | 115 | 6 212 | |
| | | Column % | 43,6 | 54,3 | 56,1 | 75,0 53,1 | |
| | 5 Social unrest | Count | 37 | 21 | 80 | 2 140 | |
| | | Column % | 39,4 | 22,8 | 39,0 | 25,0 35,1 | |
| | 6 Political instability | Count | 22 | 32 | 56 | 2 112 | |
| | | Column % | 23,4 | 34,8 | 27,3 | 25,0 28,1 | |
| | 7 Bribes and corruption | Count | 22 | 32 | 97 | 3 154 | |
| | | Column % | 23,4 | 34,8 | 47,3 | 37,5 38,6 | |
| | 8 Environmental problems | Count | 42 | 36 | 98 | 7 183 | |
| | | Column % | 44,7 | 39,1 | 47,8 | 87,5 45,9 | |
| | 9 Land ownership issues | Count | 12 | 15 | 55 | 5 87 | |
| | | Column % | 12,8 | 16,3 | 26,8 | 62,5 21,8 | |
| | 10 Drug problems | Count | 51 | 45 | 136 | 5 237 | |
| | | Column % | 54,3 | 48,9 | 66,3 | 62,5 59,4 | |
| | 11 Unemployment | Count | 53 | 52 | 147 | 8 260 | |
| | | Column % | 56,4 | 56,5 | 71,7 | 100,0 65,2 | |
| | 12 Natural disasters | Count | 6 | 5 | 8 | 1 20 | |
| | | Column % | 6,4 | 5,4 | 3,9 | 12,5 5,0 | |
| | 13 I don't know | Count | 1 | | 1 | | 2 |
| | | Column % | 1,1 | | ,5 | | ,5 |
| | 14 Others | Count | | 1 | 1 | | 2 |
| | | Column % | | 1,1 | ,5 | | ,5 |
| Total | Count | 94 | 92 | 205 | 8 | 399 | |
| | Column % | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |

Q2 Thinking about daily life, please specify the priority in which the following aspects should be solved or improved

Water Supply

| Crosstab | | | | | | | |
|---|--------------------|---------------------------------|------------------------------------|--|---|--------|--|
| | | Q8 What type is your residence? | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | |
| Q2_1 Solving or Improving of Water Supply | 1 Very Important | 40.4% | 50.0% | 49.5% | 75.0% | 48.0% | |
| | 2 Important | 27.7% | 39.1% | 32.0% | 12.5% | 32.3% | |
| | 3 Little Important | 12.8% | 7.6% | 14.1% | 12.5% | 12.3% | |
| | 4 Not Important | 19.1% | 3.3% | 4.4% | | 7.5% | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

| Symmetric Measures | | | | |
|--------------------|-----------------|-------------------------------|------------------------|--------------|
| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
| Ordinal by | Kendall's tau-b | -.098 | .047 | -2.085 ,037 |
| Ordinal | Kendall's tau-c | -.083 | .040 | -2.085 ,037 |
| N of Valid Cases | 400 | | | |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Sewer Pipe Network

| Crosstab | | | | | | | |
|---|--------------------|---------------------------------|------------------------------------|--|---|--------|--|
| | | Q8 What type is your residence? | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | |
| Q2_2 Solving or Improving of Sewer Pipe Network | 1 Very Important | 27.7% | 41.3% | 49.3% | 62.5% | 42.6% | |
| | 2 Important | 40.4% | 48.9% | 35.1% | 12.5% | 39.1% | |
| | 3 Little Important | 9.6% | 6.5% | 11.2% | 12.5% | 9.8% | |
| | 4 Not Important | 22.3% | 3.3% | 4.4% | 12.5% | 8.5% | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

| Symmetric Measures | | | | |
|--------------------|-----------------|-------------------------------|------------------------|--------------|
| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
| Ordinal by | Kendall's tau-b | -,176 | ,046 | -3.782 ,000 |
| Ordinal | Kendall's tau-c | -,149 | ,039 | -3.782 ,000 |
| N of Valid Cases | 399 | | | |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Septic Tank collection

| Crosstab | | | | | | | |
|---|--------------------|---------------------------------|------------------------------------|--|---|--------|--|
| | | Q8 What type is your residence? | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | |
| Q2_3 Solving or Improving of Septic Tank collection | 1 Very Important | 18.9% | 37.0% | 73.8% | 75.0% | 52.8% | |
| | 2 Important | 51.1% | 32.6% | 18.9% | 12.5% | 29.3% | |
| | 3 Little Important | 6.7% | 23.9% | 5.3% | | 9.8% | |
| | 4 Not Important | 23.3% | 6.5% | 1.9% | 12.5% | 8.1% | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

Symmetric Measures

| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | -,419 | ,038 | -10,735 ,000 |
| Ordinal | Kendall's tau-c | -,347 | ,032 | -10,735 ,000 |
| N of Valid Cases | 396 | | | |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Solid Waste Collection

| Crosstab | | | | | | | |
|---|--------------------|---------------------------------|------------------------------------|--|---|--------|--|
| | | Q8 What type is your residence? | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | |
| Q2_4 Solving or Improving of Solid Waste Collection | 1 Very Important | 28.7% | 45.7% | 42.6% | 75.0% | 40.7% | |
| | 2 Important | 54.3% | 45.7% | 47.5% | 25.0% | 48.2% | |
| | 3 Little Important | 7.4% | 4.3% | 7.4% | | 6.5% | |
| | 4 Not Important | 9.6% | 4.3% | 2.5% | | 4.5% | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

Symmetric Measures

| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | -,116 | ,045 | -2,571 ,010 |
| Ordinal | Kendall's tau-c | -,095 | ,037 | -2,571 ,010 |
| N of Valid Cases | 398 | | | |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Roads in your living area

| Crosstab | | | | | | | |
|--|--------------------|---------------------------------|------------------------------------|--|---|--------|--|
| | | Q8 What type is your residence? | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | |
| Q2_5 Solving or Improving of Roads in your living area | 1 Very Important | 13.8% | 28.3% | 51.2% | 62.5% | 37.3% | |
| | 2 Important | 46.8% | 50.0% | 38.5% | 37.5% | 43.1% | |
| | 3 Little Important | 31.9% | 17.4% | 8.3% | | 15.8% | |
| | 4 Not Important | 7.4% | 4.3% | 2.0% | | 3.8% | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | |

Symmetric Measures

| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | -,340 | ,039 | -8,430 ,000 |
| Ordinal | Kendall's tau-c | -,289 | ,034 | -8,430 ,000 |
| N of Valid Cases | 399 | | | |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Electricity Supply

| Crosstab | | | | | | | | |
|---|--------------------|---------------------------------|------------------------------------|--|---|--------|--|--|
| | | Q8 What type is your residence? | | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | |
| Q2_6 Solving or Improving of Electricity Supply | 1 Very Important | 56.4% | 44.6% | 42.4% | 37.5% | 46.1% | | |
| | 2 Important | 22.3% | 33.7% | 40.5% | 62.5% | 35.1% | | |
| | 3 Little Important | 11.7% | 15.2% | 13.7% | | 13.3% | | |
| | 4 Not Important | 9.6% | 6.5% | 3.4% | | 5.5% | | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | | |

| | | Symmetric Measures | | |
|------------------|-----------------|--------------------|--------------------------------|------------------------|
| | | Value | Asymp. Std. Error ^a | Approx. T ^b |
| Ordinal by | Kendall's tau-b | ,040 | ,046 | ,873 |
| Ordinal | Kendall's tau-c | ,034 | ,038 | ,873 |
| N of Valid Cases | | 399 | | ,383 |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Drainage Facilities

| Crosstab | | | | | | | | |
|--|--------------------|---------------------------------|------------------------------------|--|---|--------|--|--|
| | | Q8 What type is your residence? | | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | |
| Q2_7 Solving or Improving of Drainage Facilities | 1 Very Important | 19.1% | 30.4% | 48.8% | 25.0% | 37.1% | | |
| | 2 Important | 63.8% | 48.9% | 33.2% | 37.5% | 44.1% | | |
| | 3 Little Important | 13.8% | 17.4% | 16.6% | 25.0% | 16.3% | | |
| | 4 Not Important | 3.2% | 3.3% | 1.5% | 12.5% | 2.5% | | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | | |

| | | Symmetric Measures | | |
|------------------|-----------------|--------------------|--------------------------------|------------------------|
| | | Value | Asymp. Std. Error ^a | Approx. T ^b |
| Ordinal by | Kendall's tau-b | ,151 | ,043 | -3,509 |
| Ordinal | Kendall's tau-c | ,128 | ,036 | -3,509 |
| N of Valid Cases | | 399 | | ,000 |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Telephone

| Crosstab | | | | | | | | |
|--|--------------------|---------------------------------|------------------------------------|--|---|--------|--|--|
| | | Q8 What type is your residence? | | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | |
| Q2_8 Solving or Improving of Telephone | 1 Very Important | 24.5% | 31.5% | 34.7% | 25.0% | 31.3% | | |
| | 2 Important | 33.0% | 30.4% | 35.1% | 50.0% | 33.8% | | |
| | 3 Little Important | 10.6% | 13.0% | 13.9% | 12.5% | 12.9% | | |
| | 4 Not Important | 31.9% | 25.0% | 16.3% | 12.5% | 22.0% | | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | | |

| | | Symmetric Measures | | |
|------------------|-----------------|--------------------|--------------------------------|------------------------|
| | | Value | Asymp. Std. Error ^a | Approx. T ^b |
| Ordinal by | Kendall's tau-b | ,112 | ,043 | -2,591 |
| Ordinal | Kendall's tau-c | ,100 | ,039 | -2,591 |
| N of Valid Cases | | 396 | | ,010 |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Means

| Report | | | | | | | | | |
|--|-------------|---|---|---|---|--|---|--|--|
| Q8 What type is your residence? | | Q2_1 Solving or Improving of Water Supply | Q2_2 Solving or Improving of Sewer Pipe Network | Q2_3 Solving or Improving of Septic Tank collection | Q2_4 Solving or Improving of Solid Waste Collection | Q2_5 Solving or Improving of Roads in your living area | Q2_6 Solving or Improving of Electricity Supply | Q2_7 Solving or Improving of Drainage Facilities | Q2_8 Solving or Improving of Telephone |
| 1 Apartment with Mean dust shooter | Mean | 2,11 | 2,27 | 2,34 | 1,98 | 2,33 | 1,74 | 2,01 | 2,50 |
| | Std. Deviat | 1,14 | 1,10 | 1,04 | ,87 | ,81 | 1,00 | ,68 | 1,18 |
| 2 Apartment with Mean dust shooter | Mean | 1,64 | 1,72 | 2,00 | 1,67 | 1,98 | 1,84 | 1,93 | 2,32 |
| | Std. Deviat | ,76 | ,73 | ,94 | ,76 | ,80 | ,92 | ,78 | 1,17 |
| 4 Independent ho Mean in the ger area with Std. Deviat | Mean | 1,73 | 1,71 | 1,35 | 1,70 | 1,61 | 1,78 | 1,71 | 2,12 |
| | Std. Deviat | ,86 | ,84 | ,67 | ,71 | ,72 | ,81 | ,79 | 1,06 |
| 5 Independent ho Mean in the ger area with Std. Deviat | Mean | 1,38 | 1,75 | 1,50 | 1,25 | 1,38 | 1,63 | 2,25 | 2,13 |
| | Std. Deviat | ,74 | 1,16 | 1,07 | ,46 | ,52 | ,52 | 1,04 | ,99 |
| Total | Mean | 1,79 | 1,84 | 1,73 | 1,75 | 1,86 | 1,78 | 1,84 | 2,26 |
| | Std. Deviat | ,93 | ,92 | ,94 | ,77 | ,81 | ,88 | ,78 | 1,12 |

ANOVA Table

| | | Sum of Squares | df | Mean Square | F | Sig. |
|--|---------------------------|----------------|-----|-------------|--------|------|
| Q2_1 Solving or Improving of Water Supply * Q8 What type is your residence? | Between Groups (Combined) | 13,488 | 3 | 4,496 | 5,390 | ,001 |
| Total | Within Groups | 330,290 | 396 | ,834 | | |
| | Total | 343,777 | 399 | | | |
| Q2_2 Solving or Improving of Sewer Pipe Network * Q8 What type is your residence? | Between Groups (Combined) | 22,110 | 3 | 7,370 | 9,303 | ,000 |
| Total | Within Groups | 312,942 | 395 | ,792 | | |
| | Total | 335,053 | 398 | | | |
| Q2_3 Solving or Improving of Septic Tank collection * Q8 What type is your residence? | Between Groups (Combined) | 70,173 | 3 | 23,391 | 33,048 | ,000 |
| Total | Within Groups | 277,453 | 392 | ,708 | | |
| | Total | 347,626 | 395 | | | |
| Q2_4 Solving or Improving of Solid Waste Collection * Q8 What type is your residence? | Between Groups (Combined) | 8,043 | 3 | 2,681 | 4,657 | ,003 |
| Total | Within Groups | 226,832 | 394 | ,576 | | |
| | Total | 234,874 | 397 | | | |
| Q2_5 Solving or Improving of Roads in your living area * Q8 What type is your residence? | Between Groups (Combined) | 36,752 | 3 | 12,251 | 21,281 | ,000 |
| Total | Within Groups | 227,389 | 395 | ,576 | | |
| | Total | 264,140 | 398 | | | |
| Q2_6 Solving or Improving of Electricity Supply * Q8 What type is your residence? | Between Groups (Combined) | ,606 | 3 | ,202 | ,261 | ,853 |
| Total | Within Groups | 305,424 | 395 | ,773 | | |
| | Total | 306,030 | 398 | | | |
| Q2_7 Solving or Improving of Drainage Facilities * Q8 What type is your residence? | Between Groups (Combined) | 8,516 | 3 | 2,839 | 4,781 | ,003 |
| Total | Within Groups | 234,537 | 395 | ,594 | | |
| | Total | 243,053 | 398 | | | |
| Q2_8 Solving or Improving of Telephone * Q8 What type is your residence? | Between Groups (Combined) | 9,858 | 3 | 3,286 | 2,643 | ,049 |
| Total | Within Groups | 487,382 | 392 | 1,243 | | |
| | Total | 497,240 | 395 | | | |

Measures of Association

| | Eta | Eta Squared |
|--|------|-------------|
| Q2_1 Solving or Improving of Water Supply * Q8 What type is your residence? | ,198 | ,039 |
| Q2_2 Solving or Improving of Sewer Pipe Network * Q8 What type is your residence? | ,257 | ,066 |
| Q2_3 Solving or Improving of Septic Tank collection * Q8 What type is your residence? | ,449 | ,202 |
| Q2_4 Solving or Improving of Solid Waste Collection * Q8 What type is your residence? | ,185 | ,034 |
| Q2_5 Solving or Improving of Roads in your living area * Q8 What type is your residence? | ,373 | ,139 |
| Q2_6 Solving or Improving of Electricity Supply * Q8 What type is your residence? | ,045 | ,002 |
| Q2_7 Solving or Improving of Drainage Facilities * Q8 What type is your residence? | ,187 | ,035 |
| Q2_8 Solving or Improving of Telephone * Q8 What type is your residence? | ,141 | ,020 |

Q3-1 Are you interested in Environmental Issues?

Crosstab

| % within Q8 What type is your residence? | | Q8 What type is your residence? | | | | | Total |
|--|---------------------|---------------------------------|------------------------------------|--|---|--------|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | | |
| Q3_1 Are you interested in Environmental Issues? | 1 Yes | 66.0% | 67.4% | 69.9% | 62.5% | 68.3% | |
| | 2 Yes, but a little | 22.3% | 22.8% | 22.3% | 12.5% | 22.3% | |
| | 3 No | 11.7% | 9.8% | 7.8% | 25.0% | 9.5% | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Symmetric Measures

| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|-------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,030 | ,047 | -,650 | ,516 |
| Ordinal Kendall's tau-c | -,025 | ,038 | -,650 | ,516 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q3-2 What kind of env. problems do you think are most serious now in UB?

Crosstab

| % within Q8 What type is your residence? | | Q8 What type is your residence? | | | | | Total |
|--|------------------------|---------------------------------|------------------------------------|--|---|--------|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | | |
| Q3_2 What kind of env. problems do you think are most serious now in UB? | 1 Water Pollution | 8.4% | 3.6% | 7.9% | 6.9% | 6.9% | |
| | 2 Air Pollution | 73.5% | 79.5% | 77.9% | 100.0% | 77.6% | |
| | 3 Noise problems | 1.2% | 1.2% | 2.1% | | 1.7% | |
| | 4 Solid waste problems | 15.7% | 13.3% | 11.1% | | 12.4% | |
| | 5 Others | 1.2% | 2.4% | 1.1% | | 1.4% | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Symmetric Measures

| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|-------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,048 | ,049 | -,978 | ,328 |
| Ordinal Kendall's tau-c | -,031 | ,031 | -,978 | ,328 |
| N of Valid Cases | 362 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q3-3 How much do you feel environmental degradation affect you life?

Crosstab

| % within Q8 What type is your residence? | | Q8 What type is your residence? | | | | | Total |
|--|------------------------------|---------------------------------|------------------------------------|--|---|--------|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | | |
| Q3_3 How much do you feel environmental degradation affect you life? | 1 It does not affect at all | 2.1% | 1.1% | 1.0% | | 1.3% | |
| | 2 It affects to some degree | 54.3% | 55.4% | 66.0% | 37.5% | 60.3% | |
| | 3 It caused serious problems | 41.5% | 41.3% | 31.1% | 50.0% | 36.3% | |
| | 4 I don't know | 2.1% | 2.2% | 1.5% | 12.5% | 2.0% | |
| | 9 No response | | | .5% | | .3% | |
| | Total | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% | 100.0% |

Symmetric Measures

| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|-------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,063 | ,048 | -1,330 | ,184 |
| Ordinal Kendall's tau-c | -,047 | ,036 | -1,330 | ,184 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

b. Problems caused by solid waste

Q4 In UB , is there any problem caused by wastes?

| Crosstab | | | | | | | Symmetric Measures | | | | |
|---|-------|---------------------------------|------------------------------------|--|---|--------|--------------------|-------|-------------------------------|------------------------|--------------|
| % within Q8 What type is your residence? | | Q8 What type is your residence? | | | | | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
| Q4_1 In UB , is there any problem caused by wastes? | 1 Yes | 89,4% | 93,5% | 96,6% | 87,5% | 94,0% | | | | | |
| | 2 No | 5,3% | 1,1% | ,5% | 12,5% | 2,0% | | | | | |
| | 3 DK | 5,3% | 5,4% | 2,9% | | 4,0% | | | | | |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | | | | | |

Q4-2 In Ulaanbaatar, what kinds of problems are there now? (Check all answers you observe.)

| Problems caused by waste | 1 A lot of waste scattered on street or in living environment | What type is your residence? | | | | | Total |
|---|---|---------------------------------|------------------------------------|--|---|-------|-------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | | |
| | Count | 58 | 65 | 169 | 7 | 299 | |
| | Column % | 69,0 | 75,6 | 84,9 | 100,0 | 79,5 | |
| 1 A lot of waste scattered in a picnic area | Count | 40 | 47 | 120 | 3 | 210 | |
| | Column % | 47,6 | 54,7 | 60,3 | 42,9 | 55,9 | |
| 2 A lot of waste dumped illegally in river/open | Count | 45 | 56 | 149 | 4 | 254 | |
| | Column % | 53,6 | 65,1 | 74,9 | 57,1 | 67,6 | |
| 3 A lot of waste scavenged by animals | Count | 26 | 30 | 98 | | 154 | |
| | Column % | 31,0 | 34,9 | 49,2 | | 41,0 | |
| 4 Wastes on street cause offensive odor | Count | 38 | 33 | 144 | 4 | 219 | |
| | Column % | 45,2 | 38,4 | 72,4 | 57,1 | 58,2 | |
| 5 Wastes on street attract insects and rodents | Count | 16 | 36 | 99 | 2 | 153 | |
| | Column % | 19,0 | 41,9 | 49,7 | 28,6 | 40,7 | |
| 6 Wastes scattered around garbage container | Count | 40 | 45 | 134 | 4 | 223 | |
| | Column % | 47,6 | 52,3 | 67,3 | 57,1 | 59,3 | |
| 7 Wastes scattered around drainage block its system | Count | 37 | 38 | 120 | 4 | 199 | |
| | Column % | 44,0 | 44,2 | 60,3 | 57,1 | 52,9 | |
| 8 Dumped waste in pollute water | Count | 27 | 48 | 126 | 5 | 206 | |
| | Column % | 32,1 | 55,8 | 63,3 | 71,4 | 54,8 | |
| 9 Dumped waste in river site cause emission of | Count | 60 | 67 | 161 | 6 | 294 | |
| | Column % | 71,4 | 77,9 | 80,9 | 85,7 | 78,2 | |
| 10 Fires at final disposal site cause pollution | Count | 43 | 52 | 114 | 3 | 212 | |
| | Column % | 51,2 | 60,5 | 57,3 | 42,9 | 56,4 | |
| 11 Waste at final disposal site pollutes | Count | 39 | 57 | 155 | 6 | 257 | |
| | Column % | 46,4 | 66,3 | 77,9 | 85,7 | 68,4 | |
| 12 Plastic waste/ashes scattered around the | Count | 50 | 48 | 106 | 2 | 206 | |
| | Column % | 59,5 | 55,8 | 53,3 | 28,6 | 54,8 | |
| 13 There are a lot of waste pickers | Count | 1 | | 1 | 2 | | |
| | Column % | 1,2 | | ,5 | ,5 | | |
| 14 Others | Count | 84 | 86 | 199 | 7 | 376 | |
| | Column % | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | |

Q5 Do you know where your waste brought for the final disposal?

| Crosstabulation | | | | | | | Symmetric Measures | | | | |
|--|----------------------------------|---------------------------------|------------------------------------|--|---|--------|--------------------|-------|-------------------------------|------------------------|--------------|
| % within Q8 What type is your residence? | | Q8 What type is your residence? | | | | | | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | | | | |
| Q5 Do you know where your waste is brought for the final disposal? | 1 Ulaan Chuluut | 14,9% | 13,0% | 18,9% | 16,3% | | | | | | |
| | 2 Morin Davaa | 6,4% | 4,3% | 3,9% | 4,5% | | | | | | |
| | 3 I don't know | 78,7% | 82,6% | 77,2% | 50,0% | 78,3% | | | | | |
| | 4 There is no collection service | | | | 50,0% | 1,0% | | | | | |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | | | | | |

c. About waste generation

Means

Report

| Q8 What type is your residence? | Q6_1A How much waste is generated at your house every day? | Q6_2A How many Cans are generated at your house? | Q6_2B How many Glass Bottles are generated at your house? | Q6_2C How many Plastic Bottles are generated at your house? | Q6_2D How many Paper/card board are generated at your house? | Q6_2E How many Plastic Bags are generated at your house? | Q6_2F How many Other Items are generated at your house? | Q6_3A How much coal ash is generated at your house every day? |
|------------------------------------|--|--|---|---|--|--|---|---|
| 1 Apartment with a dust shooter | .8716 Mean 1,0010 Std. Deviatio | 10,26 13,42 | 7,76 6,54 | 15,16 17,88 | 3,253 2,338 | 35,59 27,83 | 7,50 3,54 | |
| 2 Apartment without a dust shooter | 1,1350 Mean 1,2331 Std. Deviatio | 8,12 9,65 | 6,40 6,81 | 13,55 20,51 | 2,760 2,772 | 44,83 46,22 | 6,60 7,73 | ,7500 .3536 |
| 4 Independent house | 1,2561 Mean 1,5855 Std. Deviatio | 7,32 5,95 | 6,47 9,53 | 8,38 6,88 | 4,493 7,001 | 47,01 44,64 | 4,00 ,36309 | 5,2429 |
| 5 Independent house | 1,3750 Mean .8763 Std. Deviatio | 9,50 10,72 | 3,43 2,57 | 7,20 5,36 | 5,000 , | 10,71 7,41 | | 3,3750 1,8438 |
| Total | Mean 1,1403 Std. Deviatio 1,3822 | 8,31 9,34 | 6,69 8,22 | 11,12 14,33 | 3,581 4,808 | 43,15 41,70 | 6,50 6,09 | 5,1321 3,6038 |

ANOVA Table

| | Sum of Squares | df | Mean Square | F | Sig. |
|---|--|-----------------|----------------------|-------|------|
| Q6_1A How much waste is generated at your house every day? * Q8 What type is your residence? | Between Groups (Combined) 9,993 Within Groups 752,237 Total 762,230 | 3 396 399 | 3,331 1,900 | 1,754 | ,156 |
| Q6_2A How many Cans are generated at your house? * Q8 What type is your residence? | Between Groups (Combined) 353,342 Within Groups 19170,880 Total 19524,222 | 3 221 224 | 117,781 86,746 | 1,358 | ,257 |
| Q6_2B How many Glass Bottles are generated at your house? * Q8 What type is your residence? | Between Groups (Combined) 166,813 Within Groups 19312,779 Total 19479,592 | 3 285 288 | 55,604 67,764 | ,821 | ,483 |
| Q6_2C How many Plastic Bottles are generated at your house? * Q8 What type is your residence? | Between Groups (Combined) 3129,963 Within Groups 66490,849 Total 59620,812 | 3 336 339 | 1043,321 197,889 | 5,272 | ,001 |
| Q6_2D How many Paper/cardboard are generated at your house? * Q8 What type is your residence? | Between Groups (Combined) 86,355 Within Groups 3335,439 Total 3421,794 | 3 145 148 | 28,785 23,003 | 1,251 | ,293 |
| Q6_2E How many Plastic Bags are generated at your house? * Q8 What type is your residence? | Between Groups (Combined) 15674,125 Within Groups 650250,4 Total 665924,5 | 3 380 383 | 5224,708 1711,185 | 3,053 | ,028 |
| Q6_2F How many Other Items are generated at your house? * Q8 What type is your residence? | Between Groups (Combined) 8,300 Within Groups 251,700 Total 260,000 | 3 4 7 | 2,767 62,925 | ,044 | ,986 |
| Q6_3A How much coal ash is generated at your house every day? * Q8 What type is your residence? | Between Groups (Combined) 65,634 Within Groups 2726,605 Total 2792,240 | 3 212 215 | 21,878 12,861 | 1,701 | ,168 |

Measures of Association

| | Eta | Eta Squared |
|---|------|-------------|
| Q6_1A How much waste is generated at your house every day? * Q8 What type is your residence? | ,115 | ,013 |
| Q6_2A How many Cans are generated at your house? * Q8 What type is your residence? | ,135 | ,018 |
| Q6_2B How many Glass Bottles are generated at your house? * Q8 What type is your residence? | ,093 | ,009 |
| Q6_2C How many Plastic Bottles are generated at your house? * Q8 What type is your residence? | ,212 | ,045 |
| Q6_2D How many Paper/cardboard are generated at your house? * Q8 What type is your residence? | ,159 | ,025 |
| Q6_2E How many Plastic Bags are generated at your house? * Q8 What type is your residence? | ,153 | ,024 |
| Q6_2F How many Other Items are generated at your house? * Q8 What type is your residence? | ,179 | ,032 |
| Q6_3A How much coal ash is generated at your house every day? * Q8 What type is your residence? | ,153 | ,024 |

Q7 Who mainly handle/discharge your waste in your household?

Crosstab

| Q8 What type is your residence? | | Q8 What type is your residence? | | | | |
|--|---|---|---|--|---|--|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total |
| Q7 Who mainly handle/discharge your waste in your household? | 1 Female adult 2 Male adult 3 Female children 4 Male children 6 Anyone who is available 7 Pay someone to discharge | 47,9% 6,4% 27,7% 6,4% 10,6% 1,1% | 52,2% 5,4% 16,3% 4,3% 20,7% 1,1% | 51,6% 14,6% 8,7% 6,3% 18,9% | 37,5% 12,5% 14,8% 5,8% 50,0% .5% | 50,5% 10,5% 14,8% 5,8% 18,0% 100,0% |
| Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| Ordinal by N of Valid Cases | Kendall's tau-b | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|-----------------------------|-----------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by N of Valid Cases | Kendall's tau-c | -.002 | ,037 | -,051 | ,956 |
| | | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

d. Your Waste Management

d.1 Apartment area

Q9-1 How do you store kitchen waste at your house?

| Crosstab | | | | |
|--|---|---------------------------------|------------------------------------|----------------|
| % within Q8 What type is your residence? | | Q8 What type is your residence? | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | Total |
| Q9_1 How do you store kitchen waste at your house? | 1 In a plastic/paper bag 5 In a metal/plastic/wood container | 27,7% 72,3% | 45,7% 54,3% | 36,6% 63,4% |
| Total | | 100,0% | 100,0% | 100,0% |

| Symmetric Measures | | | | |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
| Ordinal by Kendall's tau-b | -.187 | .072 | -2,590 | ,01C |
| Ordinal Kendall's tau-c | -.180 | .069 | -2,590 | ,01C |
| N of Valid Cases | 186 | | | |

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q9-2 Do you have problems in storing waste at home? * What type is your residence?

| Crosstab | | | | |
|---|---------------|---------------------------------|------------------------------------|----------------|
| % within Q8 What type is your residence? | | Q8 What type is your residence? | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | Total |
| Q9_2 Do you have problems in storing waste at home? | 1 Yes 2 No | 19,1% 80,9% | 34,8% 65,2% | 26,9% 73,1% |
| Total | | 100,0% | 100,0% | 100,0% |

| Symmetric Measures | | | | |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
| Ordinal by Kendall's tau-b | -,176 | ,071 | -2,438 | ,015 |
| Ordinal Kendall's tau-c | -,156 | ,064 | -2,438 | ,015 |
| N of Valid Cases | 186 | | | |

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q9-3 What kinds of problems do you face?

| Crosstab | | | | |
|--|--|---------------------------------|------------------------------------|------------------------|
| % within Q8 What type is your residence? | | Q8 What type is your residence? | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | Total |
| Q9_3 What kinds of problems do you face? | 1 Waste cause odor 2 Waste attract insects 3 Small children scatter it 4 Not clean/not hygienic | 72,2% 11,1% 5,6% 11,1% | 81,3% 4,0% 6,3% 12,5% | 78,0% 6,0% 12,0% |
| Total | | 100,0% | 100,0% | 100,0% |

| Symmetric Measures | | | | |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
| Ordinal by Kendall's tau-b | -,077 | ,139 | -,554 | ,57% |
| Ordinal Kendall's tau-c | -,064 | ,115 | -,554 | ,57% |
| N of Valid Cases | 50 | | | |

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q10 Do you know the frequency of the collection service?

| Crosstab | | | | |
|--|---------------|---------------------------------|------------------------------------|----------------|
| % within Q8 What type is your residence? | | Q8 What type is your residence? | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | Total |
| Q10_1 Do you know the frequency of the collection service? | 1 Yes 2 No | 40,4% 59,6% | 28,3% 71,7% | 34,4% 65,6% |
| Total | | 100,0% | 100,0% | 100,0% |

| Symmetric Measures | | | | |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
| Ordinal by Kendall's tau-b | ,128 | ,072 | 1,762 | ,078 |
| Ordinal Kendall's tau-c | ,122 | ,069 | 1,762 | ,078 |
| N of Valid Cases | 186 | | | |

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q10-2 If yes, what is the frequency? Summer time

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | Total |
|---|---------------------------------|------------------------------------|---------------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | |
| Q10_2S If yes, what is the frequency? Summer time | 1 Everyday | 2,6% | 26,9% 12,5% |
| | 2 6 times per week | | 15,4% 6,3% |
| | 4 4 times per week | 5,3% | 3,1% |
| | 5 3 times per week | 5,3% | 4,7% |
| | 6 2 times per week | 10,5% | 10,9% |
| | 7 Once a week | 10,5% | 19,2% 14,1% |
| | 8 Once in 2 weeks | 36,8% | 3,8% 23,4% |
| | 9 Once a month | 10,5% | 7,7% 9,4% |
| | 10 Irregular | 18,4% | 11,5% 15,6% |
| Total | | 100,0% | 100,0% 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -.342 | ,103 | -3,300 | ,001 |
| Ordinal Kendall's tau-c | -.439 | ,133 | -3,300 | ,001 |
| N of Valid Cases | 64 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q10-2 If yes, what is the frequency? Winter time

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | Total |
|---|---------------------------------|------------------------------------|---------------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | |
| Q10_2W If yes, what is the frequency? Winter time | 1 Everyday | | 19,2% 7,8% |
| | 2 6 times per week | | 15,4% 6,3% |
| | 4 4 times per week | 7,9% | 3,8% 6,3% |
| | 5 3 times per week | 2,6% | 1,6% |
| | 6 2 times per week | 18,4% | 11,5% 15,6% |
| | 7 Once a week | 5,3% | 11,5% 7,8% |
| | 8 Once in 2 weeks | 36,8% | 11,5% 26,6% |
| | 9 Once a month | 15,8% | 15,4% 15,6% |
| | 10 Irregular | 13,2% | 11,5% 12,5% |
| Total | | 100,0% | 100,0% 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,226 | ,112 | -2,000 | ,045 |
| Ordinal Kendall's tau-c | -,288 | ,144 | -2,000 | ,045 |
| N of Valid Cases | 64 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q11 How often do you discharge your waste? Summer time

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | Total |
|---|---------------------------------|------------------------------------|---------------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | |
| Q11S How often do you discharge your waste? Summer time | 1 More than once every day | 1,1% | 1,1% 1,1% |
| | 2 Everyday | 21,3% | 28,3% 24,7% |
| | 3 6 times per week | | 1,1% ,5% |
| | 4 5 times per week | 4,3% | 2,2% |
| | 5 4 times per week | 6,4% | 4,3% |
| | 6 3 times per week | 25,5% | 22,8% 24,2% |
| | 7 2 times per week | 22,3% | 29,3% 25,8% |
| | 8 Once a week | 7,4% | 6,5% 7,0% |
| | 9 Irregular | 7,4% | 7,6% 7,5% |
| | 10 I don't know | 4,3% | 1,1% 2,7% |
| Total | | 100,0% | 100,0% 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,021 | ,065 | ,320 | ,749 |
| Ordinal Kendall's tau-c | -,026 | ,083 | ,320 | ,749 |
| N of Valid Cases | 186 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q11 How often do you discharge your waste? Winter time

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | Total |
|---|----------------------------|---------------------------------|------------------------------------|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | |
| Q11W How often do you discharge your waste? Winter time | 1 More than once every day | 1,1% | 1,1% | 1,1% |
| | 2 Everyday | 18,1% | 20,7% | 19,4% |
| | 3 6 times per week | | 1,1% | ,5% |
| | 4 5 times per week | 3,2% | 3,3% | 3,2% |
| | 5 4 times per week | 5,3% | 6,5% | 5,9% |
| | 6 3 times per week | 28,7% | 15,2% | 22,0% |
| | 7 2 times per week | 21,3% | 32,6% | 26,9% |
| | 8 Once a week | 6,4% | 7,6% | 7,0% |
| | 9 Irregular | 9,6% | 7,6% | 8,6% |
| | 10 I don't know | 6,4% | 4,3% | 5,4% |
| Total | | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,000 | ,065 | -,006 | ,994 |
| Ordinal Kendall's tau-c | | ,083 | -,006 | |
| N of Valid Cases | 186 | | | ,994 |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q12-1 How do you transport your waste to the dust shoot or container?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | Total |
|---|---|---------------------------------|------------------------------------|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | |
| Q12_1 How do you transport your waste to the dust shoot or container? | 1 Bring waste in a bag and throw it with bag | 90,4% | 93,5% | 91,9% |
| | 2 Bring waste in a bag/box/container and throw only the waste | 9,6% | 6,5% | 8,1% |
| Total | | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,056 | ,072 | -,767 | ,443 |
| Ordinal Kendall's tau-c | -,031 | ,040 | -,767 | ,443 |
| N of Valid Cases | 186 | | | |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q12-2 Do you have problems in discharging waste?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | Total |
|--|-------|---------------------------------|------------------------------------|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | |
| Q12_2 Do you have problems in discharging waste? | 1 Yes | 1,1% | 14,1% | 7,5% |
| | 2 No | 98,9% | 85,9% | 92,5% |
| Total | | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,248 | ,051 | -3,454 | ,001 |
| Ordinal Kendall's tau-c | -,131 | ,038 | -3,454 | ,001 |
| N of Valid Cases | 186 | | | |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q12-3 What kinds of problems do you face? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | Total |
|---|-------------------------------------|---------------------------------|------------------------------------|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | |
| Q12_3 What kinds of problems do you face? | 1 No waste container in the near | | | |
| | 2 Container full/in bad shape/dirty | | | |
| | 3 Bad collection service/irregular | | | |
| | 4 Time consuming | | | |
| | 5 Others | | | |
| Total | | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,189 | ,165 | -,900 | ,368 |
| Ordinal Kendall's tau-c | -,102 | ,113 | -,900 | ,368 |
| N of Valid Cases | 14 | | | |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

d.2 Ger Area

Q13-1 How do you store kitchen waste at your house? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | Total |
|-------|---|--|---|--------|
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q13_1 | 1 In a plastic/paper/cement bag inside | 8,7% | | 8,4% |
| | 2 In container inside the house | 11,7% | | 11,2% |
| | 3 In a plastic/paper/cement bag outside | 15,0% | 37,5% | 15,9% |
| | 4 In container outside the house | 60,2% | 50,0% | 59,8% |
| | 5 On the ground outside | 3,4% | 12,5% | 3,7% |
| | 6 Others | 1,0% | ,9% | ,9% |
| Total | | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,038 | ,060 | ,618 | ,537 |
| Ordinal Kendall's tau-c | ,016 | ,025 | ,618 | ,537 |
| N of Valid Cases | 214 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q13-2 How do you store coal/wood ash at your house? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | Total |
|-------|---|--|---|--------|
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q13_2 | 1 In a bag/container separated from kitchen waste | 69,9% | 50,0% | 69,2% |
| | 2 In a bag/container with kitchen waste | 30,1% | 50,0% | 30,8% |
| Total | | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,082 | ,075 | 1,039 | ,29% |
| Ordinal Kendall's tau-c | ,029 | ,028 | 1,039 | ,29% |
| N of Valid Cases | 214 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q13-3 Do you burn the waste generated in your house at the stove?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | Total |
|-------|-------|--|---|--------|
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q13_3 | 1 Yes | 50,5% | 37,5% | 50,0% |
| | 2 No | 49,5% | 62,5% | 50,0% |
| Total | | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,049 | ,067 | ,722 | ,471 |
| Ordinal Kendall's tau-c | ,019 | ,026 | ,722 | ,471 |
| N of Valid Cases | 214 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Tables

| | | What type is your residence? | | |
|---------------------------------------|-----------------|--|---|-------|
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total |
| What kind of waste do you burn there? | 1 Kitchen waste | Count | 6 | 2 |
| | | Column % | 5,8 | 66,7 |
| | 2 Paper waste | Count | 104 | 3 |
| | | Column % | 100,0 | 100,0 |
| | 3 Plastic waste | Count | 16 | 1 |
| | | Column % | 15,4 | 33,3 |
| | 4 Others | Count | 1 | 1 |
| | | Column % | 1,0 | ,9 |
| Total | | Count | 104 | 3 |
| | | Column % | 100,0 | 100,0 |
| | | | | 107 |
| | | | | 100,0 |

Q13-5 Do you have problems in storing waste at home? * What type is your residence?

| Crosstab | | | | |
|--|-------|--|---|--------|
| % within Q8 What type is your residence? | | | | |
| | | Q8 What type is your residence? | | |
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total |
| Q13_5 Do you have problems in storing waste at home? | 1 Yes | 24,0% | 33,3% | 24,3% |
| | 2 No | 76,0% | 66,7% | 75,7% |
| | Total | 100,0% | 100,0% | 100,0% |

| Symmetric Measures | | | | |
|--------------------|-----------------|-------|--------------------------------|------------------------|
| Ordinal by | Kendall's tau-b | Value | Asymp. Std. Error ^a | Approx. T ^b |
| Ordinal | Kendall's tau-c | -,036 | ,106 | -,332 |
| N of Valid Cases | | ,010 | ,031 | ,74C |

107

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q13-6 What kinds of problems do you face? * What type is your residence?

| Crosstab | | | | |
|---|-------------------------------------|--|---|--------|
| % within Q8 What type is your residence? | | | | |
| | | Q8 What type is your residence? | | |
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total |
| Q13_6 What kinds of problems do you face? | 1 Waste cause odor | 32,0% | 100,0% | 34,6% |
| | 3 Small children | 4,0% | | 3,8% |
| | 4 Not clean/not hygienic/disturbing | 64,0% | | 61,5% |
| | Total | 100,0% | 100,0% | 100,0% |

Q14-1 Do you regularly receive a collection service? * What type is your residence?

| Crosstab | | | | |
|--|-------|--|---|--------|
| % within Q8 What type is your residence? | | | | |
| | | Q8 What type is your residence? | | |
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total |
| Q14_1 Do you regularly receive a collection service? | 1 Yes | 48,5% | | 46,7% |
| | 2 No | 51,5% | 100,0% | 53,3% |
| | Total | 100,0% | 100,0% | 100,0% |

| Symmetric Measures | | | | |
|--------------------|-----------------|-------|--------------------------------|------------------------|
| Ordinal by | Kendall's tau-b | Value | Asymp. Std. Error ^a | Approx. T ^b |
| Ordinal | Kendall's tau-c | ,185 | ,033 | 2,932 |
| N of Valid Cases | | ,070 | ,024 | ,003 |

214

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q15-1 How do you transport your waste to the collection point and dump it? * What type is your residence?

Crosstab
 % within Q8 What type is your residence?

| | | Q8 What type is your residence? | | Total |
|--|---|--|---|--------|
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q15_1 How do you transport your waste to the collection point and dump it? | 1 Bring waste in a bag in front of house | ,5% | 25,0% | 1,4% |
| | 2 Bring waste in a bag to common collection point | 25,2% | 62,5% | 26,6% |
| | 3 Bring waste in a container in front of house | 22,8% | | 22,0% |
| | 4 Collection workers come to home and pick up waste | 50,0% | | 48,1% |
| | 5 Others | 1,5% | 12,5% | 1,9% |
| Total | | 100,0% | 100,0% | 100,0% |

| Symmetric Measures | | | | | |
|-----------------------------|-----------------|-------|-------------------------------|------------------------|--------------|
| | | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
| Ordinal by N of Valid Cases | Kendall's tau-b | -,195 | ,079 | -2,021 | ,043 |
| Ordinal | Kendall's tau-c | -,084 | ,042 | -2,021 | ,043 |
| | | 214 | | | |

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q15-2 Do you have problems in discharging waste? * What type is your residence?

Crosstab
 % within Q8 What type is your residence?

| | | Q8 What type is your residence? | | Total |
|--|-------|--|---|--------|
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q15_2 Do you have problems in discharging waste? | 1 Yes | 29,6% | 37,5% | 29,9% |
| | 2 No | 70,4% | 62,5% | 70,1% |
| Total | | 100,0% | 100,0% | 100,0% |

| Symmetric Measures | | | | | |
|-----------------------------|-----------------|-------|-------------------------------|------------------------|--------------|
| | | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
| Ordinal by N of Valid Cases | Kendall's tau-b | -,033 | ,072 | -,448 | ,654 |
| Ordinal | Kendall's tau-c | -,011 | ,025 | -,448 | ,654 |
| | | 214 | | | |

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q15-3 What kinds of problems do you face?

Crosstab
 % within Q8 What type is your residence?

| | | Q8 What type is your residence? | | Total |
|---|---------------------------------------|--|---|--------|
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q15_3 What kinds of problems do you face? | 1 No container in the near or too far | 6,6% | 33,3% | 7,8% |
| | 2 Container full/in bad shape/dirty | 4,9% | 66,7% | 7,8% |
| | 3 Bad coll. service/irregular | 14,8% | | 14,1% |
| | 5 Accumulated waste is heavy to carry | 70,5% | | 67,2% |
| | 6 Others | 3,3% | | 3,1% |
| Total | | 100,0% | 100,0% | 100,0% |

| Symmetric Measures | | | | | |
|-----------------------------|-----------------|-------|-------------------------------|------------------------|--------------|
| | | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
| Ordinal by N of Valid Cases | Kendall's tau-b | -,357 | ,097 | -1,849 | ,065 |
| Ordinal | Kendall's tau-c | -,153 | ,083 | -1,849 | ,065 |
| | | 64 | | | |

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Q16-1 Do you know the collection time?

| Crosstab | | | Symmetric Measures | | | | |
|--|-------|--|---|--------|--|--|--|
| % within Q8 What type is your residence? | | Q8 What type is your residence? | | | | | |
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | | |
| Q16_1 Do you know the collection time? | 1 Yes | 8,3% | | 7,9% | | | |
| | 2 No | 91,7% | 100,0% | 92,1% | | | |
| | Total | 100,0% | 100,0% | 100,0% | | | |

e. **Opinions about collection service (For all those who receive collection service)**

Q17-1 Do you pay collection fee?

Q17_1 Do you pay collection fee? * Q8 What type is your residence? Crosstabulation

% within Q8 What type is your residence?

| % within Q8 What type is your residence? | | Q8 What type is your residence? | | | Total |
|--|---|---------------------------------|------------------------------------|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | |
| Q17_1 Do you pay collection fee? | 1 Yes, I pay collection fee to a collector 2 Yes, I pay collection fee through app. manag. fee 3 No, I don't pay collection fee 4 I don't know | 100,0% | 98,9% | 94,7% | 49,7% |
| | Total | 100,0% | 1,1% | 2,9% | 47,2% |
| | | | 100,0% | 2,4% | 1,5% |
| | | | | 100,0% | 1,5% |
| | | | | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|--------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | ,034 | -28,235 | ,000 |
| Ordinal | Kendall's tau-c | ,024 | -28,235 | ,000 |
| N of Valid Cases | 392 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Means

Report

| Q8 What type is your residence? | Q17_2 How much does your household pay for collection services in total every month? | Q17_3_1 Monthly Payment for Electricity | Q17_3_2 Monthly Payment for Drinking water | Q17_3_3 Monthly Payment for Telephone | Q17_3_4 Annually Payment for Coal/Wood | Q17_3_4C Price of 1 kg Coal | Q17_3_4W Price of 1 kg Wood |
|--|--|---|--|---------------------------------------|--|-----------------------------|-----------------------------|
| 1 Apartment with a Mean dust shooter | 1177,78 Std. Deviation 689,03 | 13268,80 5452,53 | 5803,00 3302,40 | 13778,48 12331,35 | | | |
| 2 Apartment without Mean dust shooter | 1035,92 Std. Deviation 594,75 | 11135,76 4612,34 | 4434,44 2413,44 | 13381,82 10558,81 | 12533,33 6515,62 | | 114,00 ,00 |
| 4 Independent house in the ger area with | Mean 1745,24 Std. Deviation 727,30 | 6906,73 3944,17 | 1264,49 1146,88 | 18087,50 15071,60 | 55971,43 51466,64 | 33,05 19,59 | 43,29 34,97 |
| Total | Mean 1468,73 Std. Deviation 761,06 | 9426,93 5271,12 | 3148,06 2954,41 | 14196,43 12140,31 | 53882,52 53918,19 | 33,05 19,59 | 44,32 35,74 |

ANOVA Table

| | Sum of Squares | df | Mean Square | F | Sig. |
|--|---|-----------------|----------------------------|---------|-------|
| Q17_2 How much does your household pay for collection services in total every month? * Q8 What type is your residence? | 34014715,429 Within Groups 158864762,319 Total 192879477,749 | 2 331 333 | 17007357,71 479953,965 | 35,435 | ,000 |
| Q17_3_1 Monthly Payment for Electricity * Q8 What type is your residence? | 2955200616,76 Within Groups 7853050792,08 Total 10808251408,8 | 2 387 389 | 1477600308 20292120,91 | 72,816 | ,000 |
| Q17_3_2 Monthly Payment for Drinking water * Q8 What type is your residence? | 1447187143,60 Within Groups 1721277919,95 Total 3168465063,55 | 2 361 363 | 723593571,8 4768082,881 | 151,758 | ,000 |
| Q17_3_3 Monthly Payment for Telephone * Q8 What type is your residence? | 953105924,811 Within Groups 22197139610,9 Total 22550245535,7 | 2 151 153 | 176552962,4 147000924,6 | 1,201 | ,304 |
| Q17_3_4 Annually Payment for Coal/Wood * Q8 What type is your residence? | 60824576135,0 Within Groups 535145500952 Total 595970077087 | 2 203 205 | 3,041E+10 2636184734 | 11,536 | ,000 |
| Q17_3_4C Price of 1 kg Coal * Q8 What type is your residence? | ,000 Within Groups 77885,510 Total 77885,510 | 2 201 203 | ,000 387,490 | ,000 | 1,000 |
| Q17_3_4W Price of 1 kg Wood * Q8 What type is your residence? | 14781,405 Within Groups 245827,347 Total 260608,751 | 2 202 204 | 7390,702 1216,967 | 6,073 | ,003 |

Measures of Association

| | Eta | Eta Squared |
|--|------|-------------|
| Q17_2 How much does your household pay for collection services in total every month? * Q8 What type is your residence? | ,420 | ,176 |
| Q17_3_1 Monthly Payment for Electricity * Q8 What type is your residence? | ,523 | ,273 |
| Q17_3_2 Monthly Payment for Drinking water * Q8 What type is your residence? | ,676 | ,457 |
| Q17_3_3 Monthly Payment for Telephone * Q8 What type is your residence? | ,125 | ,016 |
| Q17_3_4 Annually Payment for Coal/Wood * Q8 What type is your residence? | ,319 | ,102 |
| Q17_3_4C Price of 1 kg Coal * Q8 What type is your residence? | ,000 | ,000 |
| Q17_3_4W Price of 1 kg Wood * Q8 What type is your residence? | ,238 | ,057 |

Q18 How is the bill collected?

Crosstab

| | | Q8 What type is your residence? | | | Total |
|--------------------------------|--|---------------------------------|------------------------------------|--|---------------------------------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | |
| Q18 How is the bill collected? | 1 A bill collector comes to my house 2 I go to the bank to pay the bill 3 I don't know 4 Others | 98,9% 1,1% 100,0% | 97,8% 2,2% 100,0% | 83,5% 2,4% 13,1% 100,0% | 43,9% 2,0% 6,9% 100,0% |
| Total | | | | | |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T _b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,568 | ,047 | -13,328 | ,000 |
| Ordinal Kendall's tau-c | ,507 | ,038 | -13,328 | ,000 |
| N of Valid Cases 392 | | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q19-1 Do you know which organization is in charge of waste collection?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | Total |
|--|-------|---------------------------------|------------------------------------|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | |
| Q19_1 Do you know which organization is in charge of waste collection? | 1 Yes | 55,3% | 43,5% | 39,8% | 44,4% |
| | 2 No | 44,7% | 56,5% | 60,2% | 55,6% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|-------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,112 | ,048 | 2,334 | ,02C |
| Ordinal Kendall's tau-c | ,123 | ,053 | 2,334 | ,02C |
| N of Valid Cases | 392 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q19-2 Who is it?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | Total |
|------------------|-------------------------------|---------------------------------|------------------------------------|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | |
| Q19_2 Who is it? | 1 District renovation company | 100,0% | 92,5% | 90,2% | 93,7% |
| | 3 NGO | | 5,0% | 7,8% | 1,1% |
| | 4 Others | | 2,5% | 9,8% | 5,2% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|-------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,159 | ,049 | 2,570 | ,01C |
| Ordinal Kendall's tau-c | ,066 | ,026 | 2,570 | ,01C |
| N of Valid Cases | 174 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q1-3 Are there any changes in the collection service quality since April 2004?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | Total |
|--|-------------------------------|---------------------------------|------------------------------------|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | |
| Q19_3 Arte there any changes in the collection service quality since April 2004? | 1 It is improved a lot | 4,3% | 2,2% | 1,5% | 2,3% |
| | 2 It is improved a little | 30,9% | 25,0% | 8,3% | 17,6% |
| | 3 It does not change | 62,8% | 64,1% | 70,4% | 67,1% |
| | 4 It is worsened a little | 2,1% | 4,3% | 10,2% | 6,9% |
| | 5 It is worsened considerably | | 4,3% | 9,7% | 6,1% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|-------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,296 | ,039 | 7,142 | ,000 |
| Ordinal Kendall's tau-c | ,248 | ,035 | 7,142 | ,000 |
| N of Valid Cases | 392 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q20 Are you satisfied with the collection service?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | Total |
|--|-----------------------|---------------------------------|------------------------------------|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | |
| Q20 Are you satisfied with the collection service? | 1 Yes, very much | 9,6% | 13,0% | 3,9% | 7,4% |
| | 2 Yes, to some extent | 42,6% | 23,9% | 12,6% | 22,4% |
| | 3 Not much | 27,7% | 41,3% | 59,7% | 47,7% |
| | 4 Not at all | 6,4% | 15,2% | 20,9% | 16,1% |
| | 5 I don't know | 13,8% | 6,5% | 2,9% | 6,4% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Err. ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|-------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,184 | ,046 | 3,996 | ,000 |
| Ordinal Kendall's tau-c | ,179 | ,045 | 3,996 | ,000 |
| N of Valid Cases | 392 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q21-1 The biggest reason why you are not satisfied with service?

| Crosstab | | | | | | |
|--|---|---------------------------------|------------------------------------|--|--------|------|
| % within Q8 What type is your residence? | | Q8 What type is your residence? | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | Total | |
| Q21_1 The biggest reason why you are not satisfied with service? | 1 Frequency of collection is too few | 40,6% | 26,9% | 36,7% | 35,2% | |
| | 2 Frequency of collection is irregular | 15,6% | 21,2% | 24,7% | 22,8% | |
| | 3 Collection time is not appropriate | 3,1% | | 6,6% | 4,8% | |
| | 4 The garbage container is always full | 15,6% | 7,7% | 2,4% | 5,2% | |
| | 5 A lot of waste is left on the streets | 15,6% | 15,4% | 12,0% | 13,2% | |
| | 6 A lot of waste is left around the container | 6,3% | 21,2% | 7,8% | 10,4% | |
| | 7 Collection point is far away from my house | | | 5,8% | 6,0% | 5,2% |
| | 8 Others | 3,1% | 1,9% | 3,6% | 3,2% | |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | |
| | | | | | | |

| Symmetric Measures | | | | | | |
|--------------------|-----------------|-------|--------------------------------|------------------------|--------------|--|
| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. | |
| Ordinal by | Kendall's tau-b | -.043 | ,054 | -,806 | ,420 | |
| Ordinal | Kendall's tau-c | -,041 | ,050 | -,806 | ,420 | |
| N of Valid Cases | | 250 | | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Tables

| | | | What type is your residence? | | | | |
|--|---|----------|---------------------------------|------------------------------------|--|-------|--|
| | | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | Total | |
| Reasons for being unsatisfied with service | 1 Frequency of collection is too few | Count | 8 | 9 | 64 | 81 | |
| | | Column % | 25,0 | 17,6 | 39,5 | 33,1 | |
| | 2 Frequency of collection is irregular | Count | 12 | 17 | 94 | 123 | |
| | | Column % | 37,5 | 33,3 | 58,0 | 50,2 | |
| | 3 Collection time is not appropriate | Count | 2 | 3 | 32 | 37 | |
| | | Column % | 6,3 | 5,9 | 19,8 | 15,1 | |
| | 4 The garbage container is always full | Count | 11 | 24 | 48 | 83 | |
| | | Column % | 34,4 | 47,1 | 29,6 | 33,9 | |
| | 5 A lot of waste is left on the streets | Count | 20 | 33 | 88 | 141 | |
| | | Column % | 62,5 | 64,7 | 54,3 | 57,6 | |
| | 6 A lot of waste is left around the container | Count | 20 | 36 | 62 | 118 | |
| | | Column % | 62,5 | 70,6 | 38,3 | 48,2 | |
| | 7 Collection point is far away from my house | Count | 1 | 6 | 15 | 22 | |
| | | Column % | 3,1 | 11,8 | 9,3 | 9,0 | |
| | 8 Others | Count | 2 | 3 | 7 | 12 | |
| | | Column % | 6,3 | 5,9 | 4,3 | 4,9 | |
| Total | Count | | 32 | 51 | 162 | 245 | |
| | Column % | | 100,0 | 100,0 | 100,0 | 100,0 | |

Q22 What do you think about collection fee?

| Crosstab | | | | | | |
|---|-----------------|---------------------------------|------------------------------------|--|--------|--|
| % within Q8 What type is your residence? | | Q8 What type is your residence? | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | Total | |
| Q22 What do you think about collection fee? | 1 Too expensive | 5,3% | 3,3% | 37,4% | 21,7% | |
| | 2 Expensive | 63,8% | 71,7% | 54,4% | 60,7% | |
| | 3 Appropriate | 7,4% | 2,2% | | 2,3% | |
| | 4 Cheap | 1,1% | 1,1% | | ,5% | |
| | 5 Too cheap | 22,3% | 21,7% | 8,3% | 14,8% | |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| Symmetric Measures | | | | | | |
|--------------------|-----------------|-------|--------------------------------|------------------------|--------------|--|
| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. | |
| Ordinal by | Kendall's tau-b | -,365 | ,037 | -9,178 | ,000 | |
| Ordinal | Kendall's tau-c | -,321 | ,035 | -9,178 | ,000 | |
| N of Valid Cases | | 392 | | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Q23-2 If collection service is improved, do you agree with the increase in collection fee?

| Crosstab | | | | | Symmetric Measures | | | | |
|--|--|---------------------------------|------------------------------------|--|--------------------|------------------|-----------------|-------|--------------------------------|
| % within Q8 What type is your residence? | | Q8 What type is your residence? | | | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | Total | | | Value | Asymp. Std. Error ^a |
| | | | | | | N of Valid Cases | Kendall's tau-b | ,105 | ,044 |
| | | | | | | N of Valid Cases | Kendall's tau-c | ,100 | ,043 |
| Q23_2 If collection service is improved, do you agree with the increase in collection fee? | 1 Yes, I agree | 37,2% | 30,4% | 22,3% | 27,8% | 392 | | | ,2356 |
| | 2 Collection service should improve without increasing fee | 42,6% | 42,4% | 51,9% | 47,4% | | | | ,018 |
| | 3 I can change the way of discharging waste | 8,5% | 12,0% | 6,8% | 8,4% | | | | |
| | 4 I don't know | 11,7% | 15,2% | 18,9% | 16,3% | | | | |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | | | | |

a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Means

| Report | | |
|--|--|--|
| Q8 What type is your residence? | Q23_1 How much are willing to pay for current service per month? | Q24 If the collection fee is increased in order to improve the collection service, how much can you afford to pay? |
| 1 Apartment with a dust shooter | Mean | 1065,78 |
| | Std. Deviation | 411,72 |
| 2 Apartment without a dust shooter | Mean | 1007,69 |
| | Std. Deviation | 421,53 |
| 4 Independent house in the ger area with | Mean | 1322,04 |
| | Std. Deviation | 540,19 |
| Total | Mean | 1213,61 |
| | Std. Deviation | 513,98 |
| | | 1519,13 |
| | | 881,43 |
| | | 1327,06 |
| | | 605,21 |
| | | 1582,76 |
| | | 643,18 |
| | | 1510,16 |
| | | 706,10 |

ANOVA Table

| | | Sum of Squares | df | Mean Square | F | Sig. |
|--|---------------------------|----------------|-----|-------------|--------|------|
| Q23_1 How much are willing to pay for current service per month? * | Between Groups (Combined) | 5790458 | 2 | 2895229 | 11,742 | ,000 |
| Q8 What type is your residence? | Within Groups | 7,4E+07 | 299 | 246574,3 | | |
| Total | Total | 8,0E+07 | 301 | | | |
| Q24 If the collection fee is increased in order to improve the collection service, how much can you afford to pay? * Q8 What type is your residence? | Between Groups (Combined) | 3927040 | 2 | 1963520 | 4,001 | ,019 |
| | Within Groups | 1,9E+08 | 377 | 490802,0 | | |
| | | 1,9E+08 | 379 | | | |

Measures of Association

| | Eta | Eta Squared |
|--|------|-------------|
| Q23_1 How much are willing to pay for current service per month? * | ,270 | ,073 |
| Q8 What type is your residence? | ,144 | ,021 |
| Q24 If the collection fee is increased in order to improve the collection service, how much can you afford to pay? * Q8 What type is your residence? | | |

Q31_1 Do you consider that recycling of non-hazardous waste such as paper, plastic, glass, used close and metals is necessary? * Q8 What type is your residence? Crosstabulation

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | | Total |
|--|---------------------------------|------------------------------------|--|---|--------|--------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | | |
| Q31_1 Do you consider that recycling of non-hazardous waste such as paper, plastic, glass, used close and metals is necessary? | 1 Yes | 98,9% | 96,7% | 92,7% | 100,0% | 95,3% |
| | 2 No | 1,1% | 3,3% | 7,3% | | 4,8% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Errord ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|---------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,105 | ,035 | 2,622 | ,009 |
| Ordinal Kendall's tau-c | ,050 | ,019 | 2,622 | ,009 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Tables

| | What type is your residence? | | | | | Total | |
|-----------------------------|--|------------------------------------|--|---|-------|-------|-------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | | | |
| Why recycling is necessary? | 1 Recycling would reduce the amount of waste to landfill | Count | 66 | 67 | 143 | 7 | 283 |
| | | Column % | 71,0 | 75,3 | 74,9 | 87,5 | 74,3 |
| | 2 Recycling would help to protect the environment | Count | 79 | 82 | 151 | 7 | 319 |
| | | Column % | 84,9 | 92,1 | 79,1 | 87,5 | 83,7 |
| | 3 Recycling would earn you some extra money | Count | 56 | 48 | 106 | 5 | 215 |
| Total | 4 Others | Count | 60,2 | 53,9 | 55,5 | 62,5 | 56,4 |
| | | Column % | 2 | 1 | 1 | | 4 |
| Total | Count | 93 | 89 | 191 | 8 | 381 | |
| | Column % | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 | 100,0 |

Do you separate recyclable goods and sell them? * What type is your residence?

Crosstab

| | Q8 What type is your residence? | | | | | Total |
|---|---------------------------------|------------------------------------|--|---|--------|--------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | | |
| Q32 Do you separate recyclable goods and sell them? | 1 Yes | 20,2% | 31,5% | 46,6% | 75,0% | 37,5% |
| | 2 No | 79,8% | 68,5% | 53,4% | 25,0% | 62,5% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Errord ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|---------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,234 | ,044 | -5,279 | ,000 |
| Ordinal Kendall's tau-c | -,254 | ,048 | -5,279 | ,000 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Do you sell cardboard? * What type is your residence?

| | | Crosstab | | | | | Symmetric Measures | | | | |
|-------------------------------|-------|---------------------------------|------------------------------------|--|---|--------|--------------------|--|--|--|--|
| | | Q8 What type is your residence? | | | | | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | | | | |
| Q33_2A Do you sell cardboard? | 1 Yes | 5,3% | | | | 16,7% | 1,3% | | | | |
| | 2 No | 94,7% | 100,0% | 100,0% | 83,3% | 98,7% | | | | | |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | | | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Do you sell glass bottles? * What type is your residence?

| | | Crosstab | | | | | Symmetric Measures | | | | |
|-----------------------------------|-------|---------------------------------|------------------------------------|--|---|--------|--------------------|--|--|--|--|
| | | Q8 What type is your residence? | | | | | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | | | | |
| Q33_3A Do you sell glass bottles? | 1 Yes | 94,7% | | 89,7% | 93,8% | 100,0% | 93,3% | | | | |
| | 2 No | 5,3% | | 10,3% | 6,3% | 100,0% | 6,7% | | | | |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Do you sell aluminium cans? * What type is your residence?

| | | Crosstab | | | | | Symmetric Measures | | | | |
|-----------------------------------|-------|---------------------------------|------------------------------------|--|---|--------|--------------------|--|--|--|--|
| | | Q8 What type is your residence? | | | | | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | | | | |
| Q33_4A Do you sell aluminum cans? | 1 Yes | 26,3% | | 24,1% | 29,2% | 33,3% | 28,0% | | | | |
| | 2 No | 73,7% | | 75,9% | 70,8% | 66,7% | 72,0% | | | | |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Do you sell metal cans? * What type is your residence?

| | | Crosstab | | | | | Symmetric Measures | | | | |
|--------------------------------|-------|---------------------------------|------------------------------------|--|---|--------|--------------------|--|--|--|--|
| | | Q8 What type is your residence? | | | | | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | | | | |
| Q33_5A Do you sell metal cans? | 1 Yes | 10,5% | | 3,1% | 16,7% | 4,0% | | | | | |
| | 2 No | 89,5% | | 96,9% | 83,3% | 96,0% | | | | | |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Do you sell plastic bottles? * What type is your residence?

| | | Crosstab | | | | | Symmetric Measures | | | | |
|-------------------------------------|-------|---------------------------------|------------------------------------|--|---|--------|--------------------|--|--|--|--|
| | | Q8 What type is your residence? | | | | | | | | | |
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total | | | | | |
| Q33_6A Do you sell plastic bottles? | 1 Yes | 31,6% | | 58,6% | 67,7% | 50,0% | 60,7% | | | | |
| | 2 No | 68,4% | | 41,4% | 32,3% | 50,0% | 39,3% | | | | |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% | | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Do you sell organic (such as kitchen and garden waste)? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | Total |
|---|---------------------------------|------------------------------------|--|---|--------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q33_11A Do you sell organic (such as kitchen and garden waste?) | 1 Yes | | 1,0% | | ,7% |
| | 2 No | 100,0% | 100,0% | 99,0% | 100,0% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,044 | ,023 | -,998 | ,318 |
| Ordinal Kendall's tau-c | -,007 | ,007 | -,998 | ,318 |
| N of Valid Cases | 150 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Why you don't separate recyclable waste such as paper, bottles and metals from other waste?

* What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | Total |
|--|--|------------------------------------|--|---|--------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q34 Why you don't separate recyclable waste such as paper, bottles and metas from other waste? | 1 It is inconvenient or difficult | 16,0% | 9,5% | 11,8% | 12,4% |
| | 2 It would take too much time | 6,7% | 1,6% | 3,6% | 4,0% |
| | 3 The need/benefit of recycling is not clear | 9,3% | 9,5% | 6,4% | 8,0% |
| | 4 There is no recycling systems | 62,7% | 77,8% | 76,4% | 100,0% |
| | 5 Others | 5,3% | 1,6% | 1,8% | 2,8% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,059 | ,060 | ,988 | ,323 |
| Ordinal Kendall's tau-c | ,043 | ,043 | ,988 | ,323 |
| N of Valid Cases | 250 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

We would like to know how do you deal with plastic bags in your daily life * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | Total |
|--|---|------------------------------------|--|---|------------------------------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q35 We would like to know how do you deal with plastic bags in your daily life | 1 I discharge plastic bags along with other wastes 3 I try to use plastic bags again for storing wastes/shopping 4 I sell plastic bags to shops/waste pickers 98 I burn plastic bags | 45,7% 54,3% | 51,1% 48,9% | 56,3% 42,2% 1,0% .5% | 50,0% 50,0% ,5% .3% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -.070 | ,047 | -1,488 | ,137 |
| Ordinal Kendall's tau-c | -,052 | ,035 | -1,488 | ,137 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

If the school or community groups in your area were to raise funds through the sale of reusable or recyclable materials would you cooperate by donating those materials or participating in collection activities? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | Total |
|--|---|------------------------------------|--|---|-------------------------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q36 If the school or community groups in your area were to raise funds through the sale of reusable or recyclable materials would you cooperate by donating those materials or participating in collection activities? | 1 Yes, I would 2 No, I would not 3 I don't know | 62,8% 9,6% 27,7% | 66,3% 12,0% 21,7% | 86,9% 2,9% 10,2% | 87,5% 12,5% 16,8% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|-----------------------------------|------------------------|-----------------|
| Ordinal by | Kendall's tau-b | -,237 | ,045 | -5,078 | ,000 |
| Ordinal | Kendall's tau-c | -,174 | ,034 | -5,078 | ,000 |
| N of Valid Cases | | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Have you ever received instruction from the local government, NGO or neighbours how to store and discharge wastes? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|---|----------------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q37_1 Have you ever received instruction from the local government, NGO or neighbors how to store and discharge wastes? | 1 Yes | 2,1% | 2,2% | 7,8% | | 5,0% |
| | 2 No | 96,8% | 94,6% | 84,5% | 100,0% | 90,0% |
| | 3 I don't know | 1,1% | 3,3% | 7,8% | | 5,0% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|-----------------------------------|------------------------|-----------------|
| Ordinal by | Kendall's tau-b | ,007 | ,041 | ,161 | ,872 |
| Ordinal | Kendall's tau-c | ,003 | ,021 | ,161 | ,872 |
| N of Valid Cases | | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Who taught you such methods? * What type is your residence?

Crosstab

| | | Q8 What type is your residence? | | | | Total |
|------------------------------------|----------------------------|---------------------------------|------------------------------------|--|--------|-------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | | |
| Q37_2 Who taught you such methods? | 1 Family members | | | 18,8% | 15,0% | |
| | 5 Municipality of UB | | | 6,3% | 5,0% | |
| | 6 District officials | 50,0% | | 6,3% | 10,0% | |
| | 7 Khoroor/Kheseg officials | | 50,0% | 68,8% | 60,0% | |
| | 8 Others | 50,0% | 50,0% | | 10,0% | |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|-----------------------------------|------------------------|-----------------|
| Ordinal by | Kendall's tau-b | -,322 | ,233 | ,1253 | ,210 |
| Ordinal | Kendall's tau-c | -,218 | ,174 | -,1253 | ,210 |
| N of Valid Cases | | 20 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Have you changed the way to store and discharge wastes after the instruction? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | Total |
|---|---------------------------------|------------------------------------|--|---------------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | |
| Q37_3 Have you changed the way to store and discharge wastes after the instruction? | 1 Yes | 50,0% | 50,0% | 81,3% 75,0% |
| | 2 No | 50,0% | 50,0% | 18,8% 25,0% |
| | Total | 100,0% | 100,0% | 100,0% 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -.280 | ,240 | -1,078 | ,281 |
| Ordinal Kendall's tau-c | -,200 | ,185 | -1,078 | ,281 |
| N of Valid Cases | 20 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Does anyone in your family clean the adjacent public area near your house? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | Total |
|--|---------------------------------|------------------------------------|--|---------------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | |
| Q38 Does anyone in your family clean the adjacent public area near your house? | 1 Yes, sometimes | 56,4% | 55,4% | 62,5% 70,8% |
| | 2 Yes, almost daily | 1,1% | 4,9% | 37,5% 2,8% |
| | 3 No | 42,6% | 44,6% | 10,7% 26,5% |
| | Total | 100,0% | 100,0% | 100,0% 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,273 | ,046 | -5,853 | ,000 |
| Ordinal Kendall's tau-c | -,212 | ,036 | -5,853 | ,000 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

To solve problems of scattered wastes on the street which measure do you think are most effective? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | | Total |
|--|---|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q39 To solve problems of scattered wastes on the street which measure do you think are most effective? | 1 To enact an anti-littering law/regulation and control it | 30,9% | 34,8% | 50,5% | 37,5% | 42,0% |
| | 2 Number of collection vehicles&workers should be increased | 11,7% | 13,0% | 26,7% | 50,0% | 20,5% |
| | 3 To instruct people how to discharge waste | 28,7% | 21,7% | 11,2% | | 17,5% |
| | 4 More street side containers to be installed | 21,3% | 25,0% | 5,3% | | 13,5% |
| | 5 I don't know | 5,3% | 4,3% | 5,8% | 12,5% | 5,5% |
| | 6 Others | 2,1% | 1,1% | ,5% | | 1,0% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,215 | ,041 | -5,156 | ,000 |
| Ordinal Kendall's tau-c | -,193 | ,038 | -5,156 | ,000 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

If waste-discharge rules are established and you are required to follow discharge rules, do you agree with these rules? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | Total |
|---|--|--|---|--------|
| | | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q40 If waste-discharge rules are established and you are required to follow discharge rules, do you agree with these rules? | 1 To establish rules is good & I'm willing to follow rules | 93,7% | 87,5% | 93,5% |
| | 2 To establish rules is good, but I don't want to follow rules | ,5% | | ,5% |
| | 3 To impose rule is not good & I don't want to follow rules | ,5% | | ,5% |
| | 4 To impose rule is not good, but I'm willing to follow rules | ,5% | | ,5% |
| | 5 I don't know | 4,9% | 12,5% | 5,1% |
| Total | | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|-----------------------------------|------------------------|-----------------|
| Ordinal by | Kendall's tau-b | ,049 | ,091 | ,524 | ,600 |
| Ordinal | Kendall's tau-c | ,009 | ,018 | ,524 | ,600 |
| N of Valid Cases | | 214 | | | |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Are there any community organization such as resident' association in your neighbour? *
 What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|--|-------|--|--|--|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q41_1 Are there any community organization such as resident' association in your neighbor? | 1 Yes | 38,3% | 53,3% | 3,4% | | 23,0% |
| | 2 No | 61,7% | 46,7% | 96,6% | 100,0% | 77,0% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|-----------------------------------|------------------------|-----------------|
| Ordinal by | Kendall's tau-b | ,415 | ,038 | 9,573 | ,000 |
| Ordinal | Kendall's tau-c | ,391 | ,041 | 9,573 | ,000 |
| N of Valid Cases | | 400 | | | |

- a. Not assuming the null hypothesis.
 b. Using the asymptotic standard error assuming the null hypothesis.

Are there any activities to improve the living conditions in your neighbor? * What type is
 your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|--|----------------|--|--|--|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q42_1 Are there any activities to improve the living conditions in your neighbor? | 1 Yes | 34,0% | 19,6% | 11,7% | | 18,5% |
| | 2 No | 39,4% | 57,6% | 71,8% | 75,0% | 61,0% |
| | 3 I don't know | 26,6% | 22,8% | 16,5% | 25,0% | 20,5% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|-----------------------------------|------------------------|-----------------|
| Ordinal by | Kendall's tau-b | ,072 | ,049 | 1,449 | ,147 |
| Ordinal | Kendall's tau-c | ,063 | ,044 | 1,449 | ,147 |
| N of Valid Cases | | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Which organization is taking an initiative? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | Total |
|---|------------|---------------------------------|------------------------------------|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | |
| Q42_2 Which organization is taking an initiative? | 1 District | 3,1% | 22,2% | 16,7% | 5,4% |
| | 2 khoroo | 3,1% | | 62,5% | 27,0% |
| | 3 Kheseg | | | 8,3% | 4,1% |
| | 4 NGOs | 90,6% | 77,8% | | 58,1% |
| | 5 Others | 3,1% | | 12,5% | 5,4% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|-----------------------------------|------------------------|-----------------|
| Ordinal by | Kendall's tau-b | -,545 | ,101 | -5,404 | ,000 |
| Ordinal | Kendall's tau-c | -,502 | ,093 | -5,404 | ,000 |
| N of Valid Cases | | 74 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Does anyone in your family participate in its activities? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | Total |
|---|-------|---------------------------------|------------------------------------|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | |
| Q42_4 Does anyone in your family participate in its activities? | 1 Yes | 15,6% | 27,8% | 79,2% | 39,2% |
| | 2 No | 84,4% | 72,2% | 20,8% | 60,8% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|-----------------------------------|------------------------|-----------------|
| Ordinal by | Kendall's tau-b | -,512 | ,090 | -5,494 | ,000 |
| Ordinal | Kendall's tau-c | -,570 | ,104 | -5,494 | ,000 |
| N of Valid Cases | | 74 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Tables

| | | | What type is your residence? | | | Total |
|--------------|---|------------------------------------|--|-------|-------|-------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | | | |
| CC functions | 1 I get information from government through committee | Count | 8 | 9 | 4 | 21 |
| | | Column % | 22,2 | 18,4 | 57,1 | 22,8 |
| | 2 The organization conducts a public meeting | Count | 3 | 5 | | 8 |
| | | Column % | 8,3 | 10,2 | | 8,7 |
| | 3 There is a meeting organized by the organization | Count | 21 | 30 | 4 | 55 |
| | | Column % | 58,3 | 61,2 | 57,1 | 59,8 |
| | 4 I can submit a request to government | Count | | 2 | | 2 |
| | | Column % | | 4,1 | | 2,2 |
| | 5 Others | Count | 5 | 11 | 1 | 17 |
| | | Column % | 13,9 | 22,4 | 14,3 | 18,5 |
| Total | Count | | 36 | 49 | 7 | 92 |
| | Column % | | 100,0 | 100,0 | 100,0 | 100,0 |

Tables

| | | | What type is your residence? | | | Total |
|--------------------|---------------------------------|------------------------------------|--|-------|-------|-------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | | | |
| Fields of activity | 1 Public health | Count | 1 | 2 | 14 | 17 |
| | | Column % | 3,1 | 11,1 | 58,3 | 23,0 |
| | 2 Income generation | Count | 1 | | | 1 |
| | | Column % | 3,1 | | | 1,4 |
| | 3 Education | Count | | | 1 | 1 |
| | | Column % | | | 4,2 | 1,4 |
| | 4 Infrastructure | Count | | 1 | | 1 |
| | | Column % | | 5,6 | | 1,4 |
| | 6 Solid waste management | Count | | | 4 | 4 |
| | | Column % | | | 16,7 | 5,4 |
| | 7 Restoration/renovation | Count | 31 | 14 | 6 | 51 |
| | | Column % | 96,9 | 77,8 | 25,0 | 68,9 |
| | 8 Others | Count | | 1 | 2 | 3 |
| | | Column % | | 5,6 | 8,3 | 4,1 |
| Total | Count | | 32 | 18 | 24 | 74 |
| | Column % | | 100,0 | 100,0 | 100,0 | 100,0 |

Q43_1 Do you have a summer house? * Q8 What type is your residence? Crosstabulation

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|-----------------------------------|---------------------------------|------------------------------------|--|---|--------|--------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | | |
| Q43_1 Do you have a summer house? | 1 Yes | 22,3% | 25,0% | 4,9% | | 13,5% |
| | 2 No | 77,7% | 75,0% | 95,1% | 100,0% | 86,5% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Err a | Approx. T b | Approx. Sig. |
|----------------------------|-------|--------------------------|--------------------|--------------|
| Ordinal by Kendall's tau-b | ,242 | ,042 | 5,133 | ,000 |
| Ordinal Kendall's tau-c | ,185 | ,036 | 5,133 | ,000 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Means

Report

| Q8 What type is your residence? | | Q43_3F When do you use your summer house? From | Q43_3U When do you use your summer house? Until | Q43_4 How many days in total do you usually spend in the summer house? in days | Q43_5L How much waste is generated at the summer house every day? in l or kg |
|--|----------------|--|---|--|--|
| 1 Apartment with a dust shooter | Mean | 5,67 | 8,62 | 84,48 | 1,614 |
| | Std. Deviation | ,91 | ,59 | 39,76 | 1,905 |
| 2 Apartment without a dust shouter | Mean | 5,57 | 8,91 | 95,65 | ,861 |
| | Std. Deviation | ,73 | ,90 | 44,30 | ,966 |
| 4 Independent house in the ger area with | Mean | 6,20 | 8,60 | 73,00 | 1,930 |
| | Std. Deviation | ,79 | ,70 | 40,01 | 1,046 |
| Total | Mean | 5,72 | 8,74 | 87,11 | 1,352 |
| | Std. Deviation | ,83 | ,76 | 41,89 | 1,462 |

ANOVA Table

| | | Sum of Squares | df | Mean Square | F | Sig. |
|--|---------------------------|----------------|----|-------------|-------|------|
| Q43_3F When do you use your summer house? From * Q8 What type is your residence? Total | Between Groups (Combined) | 2,914 | 2 | 1,457 | 2,191 | ,122 |
| | Within Groups | 33,919 | 51 | ,665 | | |
| | Total | 36,833 | 53 | | | |
| Q43_3U When do you use your summer house? Until * Q8 What type is your residence? Total | Between Groups (Combined) | 1,192 | 2 | ,596 | 1,042 | ,360 |
| | Within Groups | 29,178 | 51 | ,572 | | |
| | Total | 30,370 | 53 | | | |
| Q43_4 How many days in total do you usually spend in the summer house? in days * Q8 What type is your residence? | Between Groups (Combined) | 3814,878 | 2 | 1907,439 | 1,091 | ,344 |
| | Within Groups | 9190,455 | 51 | 1748,832 | | |
| | Total | 3005,333 | 53 | | | |
| Q43_5L How much waste is generated at the summer house every day? in l or kg * Q8 What type is your residence? | Between Groups (Combined) | 10,333 | 2 | 5,167 | 2,560 | ,087 |
| | Within Groups | 102,921 | 51 | 2,018 | | |
| | Total | 113,255 | 53 | | | |

Measures of Association

| | Eta | Eta Squared |
|--|------|-------------|
| Q43_3F When do you use your summer house? From * Q8 What type is your residence? | ,281 | ,079 |
| Q43_3U When do you use your summer house? Until * Q8 What type is your residence? | ,198 | ,039 |
| Q43_4 How many days in total do you usually spend in the summer house? in days * Q8 What type is your residence? | ,203 | ,041 |
| Q43_5L How much waste is generated at the summer house every day? in l or kg * Q8 What type is your residence? | ,302 | ,091 |

How do you deal with waste generated in the summer house? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | |
|---|--|---------------------------------|------------------------------------|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | Total |
| Q44_1 How do you deal with waste generated in the summer house? | 1 Discharge waste in front of summer house on collection day | 14,3% | 4,3% | 10,0% | 9,3% |
| | 2 Discharge waste in front of house regardless of coll. day | 9,5% | 4,3% | | 5,6% |
| | 3 Discharge waste at common point on collection day | 14,3% | 26,1% | 10,0% | 18,5% |
| | 4 Discharge waste at common point regardless of collection day | 52,4% | 47,8% | 60,0% | 51,9% |
| | 5 Bury waste in the premises | 4,8% | 8,7% | 10,0% | 7,4% |
| | 6 Burn waste in the garden | | 4,3% | | 1,9% |
| | 7 Bring waste back to home | 4,8% | 4,3% | 10,0% | 5,6% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,145 | ,116 | 1,231 | ,218 |
| Ordinal Kendall's tau-c | ,142 | ,115 | 1,231 | ,218 |
| N of Valid Cases | 54 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Do you pay collection fee for disposal of waste generated in the summer house? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | |
|--|-------|---------------------------------|------------------------------------|--|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | Total |
| Q44_2 Do you pay collection fee for disposal of waste generated in the summer house? | 1 Yes | 81,0% | 65,2% | 60,0% | 70,4% |
| | 2 No | 19,0% | 34,8% | 40,0% | 29,6% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,176 | ,124 | 1,403 | ,161 |
| Ordinal Kendall's tau-c | ,181 | ,129 | 1,403 | ,161 |
| N of Valid Cases | 54 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Gender * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | Total |
|-------------------|---------------------------------|------------------------------------|--|---|--------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q45 Gender 1 Male | 42,6% | 37,0% | 38,3% | 62,5% | 39,5% |
| 2 Female | 57,4% | 63,0% | 61,7% | 37,5% | 60,5% |
| Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. τ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------|--------------|
| Ordinal by Kendall's tau-b | ,007 | ,048 | ,143 | ,887 |
| Ordinal Kendall's tau-c | ,007 | ,052 | ,143 | ,887 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Age of respondent * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | Total |
|-------------------------------|---------------------------------|------------------------------------|--|---|--------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q46 Age of respondent 2 18-24 | 19,1% | 13,0% | 11,2% | | 13,3% |
| 3 25-29 | 12,8% | 13,0% | 11,2% | | 11,8% |
| 4 30-34 | 9,6% | 15,2% | 11,2% | | 11,5% |
| 5 35-39 | 9,6% | 9,8% | 12,6% | 25,0% | 11,5% |
| 6 40-44 | 12,8% | 8,7% | 14,6% | 37,5% | 13,3% |
| 7 45-49 | 3,2% | 6,5% | 14,6% | 12,5% | 10,0% |
| 8 50-54 | 11,7% | 7,6% | 7,3% | 12,5% | 8,5% |
| 9 55-59 | 4,3% | 7,6% | 5,8% | | 5,8% |
| 10 60-64 | 7,4% | 7,6% | 5,8% | | 6,5% |
| 11 over 65 | 9,6% | 10,9% | 5,8% | 12,5% | 8,0% |
| Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. τ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------|--------------|
| Ordinal by Kendall's tau-b | ,034 | ,041 | ,817 | ,414 |
| Ordinal Kendall's tau-c | ,033 | ,041 | ,817 | ,414 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Are you literate? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|-----------------------|-------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q47 Are you literate? | 1 Yes | 98,9% | 100,0% | 99,0% | 100,0% | 99,3% |
| | 2 No | 1,1% | | 1,0% | | ,8% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | ,006 | ,051 | ,127 | ,899 |
| Ordinal Kendall's tau-c | ,001 | ,010 | ,127 | ,899 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

How many years have you dwelled in present premises? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|---|---------------------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q48A How many years have you dwelled in present premises? | 1 Less than 5 years | 12,8% | 30,4% | 35,0% | 50,0% | 29,0% |
| | 2 5-9 years | 26,6% | 12,0% | 28,6% | 37,5% | 24,5% |
| | 3 10-19 years | 41,5% | 28,3% | 17,0% | | 25,0% |
| | 4 20 years or more | 19,1% | 28,3% | 18,0% | | 20,3% |
| | 9 No response | | 1,1% | 1,5% | 12,5% | 1,3% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,164 | ,039 | -4,165 | ,00C |
| Ordinal Kendall's tau-c | -,150 | ,036 | -4,165 | ,00C |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Where do you get drinking water? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | |
|--------------------------------------|--|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total |
| Q49 Where do you get drinking water? | 1 Piped water connected to drainage system | 100,0% | 100,0% | 1,9% | | 46,5% |
| | 2 Shared piped water | | | 93,2% | 100,0% | 1,0% |
| | 3 Public well | | | 3,9% | | 50,0% |
| | 4 Private well | | | 1,0% | | 2,0% |
| | 5 Water vendor (kiosk) | | | | | ,5% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|--------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | ,860 | ,009 | 139,109 |
| Ordinal | Kendall's tau-c | ,663 | ,005 | 139,109 |
| N of Valid Cases | 400 | | | ,000 |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

What type of toilet facility do you use? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | |
|--|---|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | Total |
| Q50_1 What type of toilet facility do you use? | 1 Toilet in my house connected to drainage system | 100,0% | 98,9% | ,5% | | 46,5% |
| | 2 Toilet in my house not connected to drainage system | | | 98,1% | 87,5% | 52,3% |
| | 3 Public toilet | | 1,1% | 1,5% | 12,5% | 1,3% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|--------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | ,873 | ,013 | 78,534 |
| Ordinal | Kendall's tau-c | ,740 | ,009 | 78,534 |
| N of Valid Cases | 400 | | | ,000 |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

How frequently do you read the news on newspaper? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|---|-----------------------------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q51_1 How frequently do you read the news on newspaper? | 1 Never | 4,3% | 2,2% | 6,8% | 25,0% | 5,5% |
| | 2 Rarely | 40,4% | 31,5% | 55,3% | 12,5% | 45,5% |
| | 3 One or two times per week | 13,8% | 17,4% | 16,0% | 12,5% | 15,8% |
| | 4 Every day | 41,5% | 48,9% | 21,8% | 50,0% | 33,3% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | -,182 | ,045 | -4,078 | ,000 |
| Ordinal | Kendall's tau-c | -,156 | ,038 | -4,078 | ,000 |
| N of Valid Cases | | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

How frequently do you read the news on magazine? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|--|-----------------------------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q51_2 How frequently do you read the news on magazine? | 1 Never | 41,5% | 40,2% | 45,6% | 25,0% | 43,0% |
| | 2 Rarely | 45,7% | 47,8% | 51,0% | 75,0% | 49,5% |
| | 3 One or two times per week | 8,5% | 6,5% | 2,9% | | 5,0% |
| | 4 Every day | 4,3% | 5,4% | ,5% | | 2,5% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | -,067 | ,046 | -1,452 | ,146 |
| Ordinal | Kendall's tau-c | -,053 | ,037 | -1,452 | ,146 |
| N of Valid Cases | | 398 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

How frequently do you listen the news on radio? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|---|-----------------------------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q51_3 How frequently do you listen the news on radio? | 1 Never | 9,6% | 35,9% | 23,9% | 50,0% | 23,8% |
| | 2 Rarely | 35,1% | 21,7% | 39,0% | 50,0% | 34,3% |
| | 3 One or two times per week | 5,3% | 2,2% | 8,8% | | 6,3% |
| | 4 Every day | 50,0% | 40,2% | 28,3% | | 35,6% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | -,158 | ,041 | -3,868 | ,000 |
| Ordinal | Kendall's tau-c | -,139 | ,036 | -3,868 | ,000 |
| N of Valid Cases | | 399 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

How frequently do you watch the news on TV? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|---|-----------------------------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q51_4 How frequently do you watch the news on TV? | 1 Never | 1,1% | | 2,4% | 12,5% | 1,8% |
| | 2 Rarely | 6,4% | 4,3% | 1,5% | | 3,3% |
| | 3 One or two times per week | | 4,3% | 8,7% | | 5,5% |
| | 4 Every day | 92,6% | 91,3% | 87,4% | 87,5% | 89,5% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | -,065 | ,045 | -1,404 | ,160 |
| Ordinal | Kendall's tau-c | -,030 | ,021 | -1,404 | ,160 |
| N of Valid Cases | | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

What is your marital status? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|----------------------------------|----------------------------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q52 What is your marital status? | 1 Single | 25,5% | 14,1% | 16,0% | 75,0% | 17,5% |
| | 2 Married with children | 57,4% | 58,7% | 56,8% | | 57,8% |
| | 3 Married without children | 2,1% | 6,5% | 2,9% | | 3,5% |
| | 4 Divorced | 4,3% | 5,4% | 8,7% | 25,0% | 7,3% |
| | 5 Widowed | 10,6% | 15,2% | 15,5% | | 14,0% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | ,092 | ,043 | 2,125 | ,034 |
| Ordinal | Kendall's tau-c | ,076 | ,036 | 2,125 | ,034 |
| N of Valid Cases | | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

What is your current employment status? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|---|--------------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q53_1 What is your current employment status? | 1 Full-time | 40,4% | 41,3% | 31,6% | 25,0% | 35,8% |
| | 2 Part-time | 3,2% | 6,5% | 8,7% | | 6,8% |
| | 3 Unemployed | 18,1% | 14,1% | 37,9% | 62,5% | 28,3% |
| | 4 Retired | 25,5% | 25,0% | 15,0% | 12,5% | 19,8% |
| | 5 Housewife | 1,1% | 3,3% | 1,9% | | 2,0% |
| | 6 Students | 11,7% | 9,8% | 4,9% | | 7,5% |
| | Total | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|------------------|-----------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by | Kendall's tau-b | -,029 | ,044 | -,667 | ,505 |
| Ordinal | Kendall's tau-c | -,027 | ,040 | -,667 | ,505 |
| N of Valid Cases | | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

What is the last grade of formal education you completed? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | Total |
|---|---------------------------------|------------------------------------|--|---|--------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q54 What is the last grade of formal education you completed? | 1 No formal schooling | 1,1% | ,5% | ,5% | ,5% |
| | 2 Some primary | 1,1% | 3,4% | 12,5% | 2,3% |
| | 3 Completed primary | 12,8% | 8,7% | 11,7% | 11,0% |
| | 4 Some secondary | 1,1% | 1,1% | 2,4% | 1,8% |
| | 5 Completed secondary | 20,2% | 16,3% | 32,0% | 25,3% |
| | 6 Technical/Vocational | 11,7% | 16,3% | 21,4% | 18,3% |
| | 7 University | 51,1% | 53,3% | 28,6% | 37,5% |
| | 8 Post Graduate | 1,1% | 4,3% | 37,5% | 39,8% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,169 | ,043 | -3,948 | ,000 |
| Ordinal Kendall's tau-c | -,152 | ,039 | -3,948 | ,000 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Who is the head of your family? * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | Q8 What type is your residence? | | | | Total |
|---------------------------------------|---------------------------------|------------------------------------|--|---|---------------|
| | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q55_1 Who is the head of your family? | 1 Male adult | 78,7% | 78,3% | 78,2% | 87,5% 78,5% |
| | 2 Female adult | 21,3% | 21,7% | 21,8% | 12,5% 21,5% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Error ^a | Approx. T ^b | Approx. Sig. |
|----------------------------|-------|--------------------------------|------------------------|--------------|
| Ordinal by Kendall's tau-b | -,003 | ,047 | -,069 | ,945 |
| Ordinal Kendall's tau-c | -,003 | ,043 | -,069 | ,945 |
| N of Valid Cases | 400 | | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Monthly Income * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|----------------|-----------------------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q57_1 | 1 Less than 44,000 Tg | 6,6% | 6,6% | 23,7% | 37,5% | 16,0% |
| Monthly Income | 2 44,000 - 100,000 | 34,1% | 30,8% | 44,9% | 50,0% | 39,2% |
| | 3 110,000 - 250,000 | 40,7% | 46,2% | 26,3% | 12,5% | 34,0% |
| | 4 250,000 - 500,000 | 15,4% | 11,0% | 5,1% | | 8,8% |
| | 5 More than 500,000 | 3,3% | 5,5% | | | 2,1% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Errort ^a | Approx. T ^b | Approx. Sig. |
|--------------------|-----------------|---------------------------------|------------------------|--------------|
| Ordinal by Ordinal | Kendall's tau-b | -,290 | ,040 | -,000 |
| | Kendall's tau-c | -,256 | ,036 | -,000 |
| N of Valid Cases | | 388 | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

Monthly Expenditure * What type is your residence?

Crosstab

% within Q8 What type is your residence?

| | | Q8 What type is your residence? | | | | Total |
|---------------------|-----------------------|---------------------------------|------------------------------------|--|---|--------|
| | | 1 Apartment with a dust shooter | 2 Apartment without a dust shooter | 4 Independent house in the ger area with coll. service | 5 Independent house in the ger area without coll. service | |
| Q57_2 | 1 Less than 44,000 Tg | 5,3% | 4,3% | 17,5% | 37,5% | 12,0% |
| Monthly Expenditure | 2 44,000 - 100,000 | 34,0% | 34,8% | 47,1% | 50,0% | 41,3% |
| | 3 110,000 - 250,000 | 45,7% | 45,7% | 27,7% | 12,5% | 35,8% |
| | 4 250,000 - 500,000 | 9,6% | 12,0% | 2,9% | | 6,5% |
| | 5 More than 500,000 | 2,1% | 2,2% | ,5% | | 1,3% |
| | 98 | 3,2% | 1,1% | 2,9% | | 2,5% |
| | 99 | | | 1,5% | | ,8% |
| Total | | 100,0% | 100,0% | 100,0% | 100,0% | 100,0% |

Symmetric Measures

| | Value | Asymp. Std. Errort ^a | Approx. T ^b | Approx. Sig. |
|--------------------|-----------------|---------------------------------|------------------------|--------------|
| Ordinal by Ordinal | Kendall's tau-b | -,241 | ,041 | -,000 |
| | Kendall's tau-c | -,210 | ,036 | -,000 |
| N of Valid Cases | | 400 | | |

a. Not assuming the null hypothesis.

b. Using the asymptotic standard error assuming the null hypothesis.

1.3 Social Environment Survey

1.3.1 Interview Survey for Local Residents

a. General characteristics of studied local residents

Table 1: Distribution of samples by age and sex

| Age group | Female | Male | Total |
|---------------------|-----------|-----------|-----------|
| 18-24 years | 20.0 | 11.5 | 17.3 |
| 25-29 years | 12.7 | 11.5 | 12.3 |
| 30-34 years | 14.5 | 11.5 | 13.6 |
| 35-39 years | 18.2 | 7.7 | 14.8 |
| 40-44 years | 18.2 | 19.2 | 18.5 |
| 45-49 years | 5.5 | 23.1 | 11.1 |
| 50-54 years | 7.3 | 11.5 | 8.6 |
| 55-59 years | 1.8 | 3.8 | 2.5 |
| 60+ | 1.8 | 0.0 | 1.2 |
| Total number | 55 | 26 | 81 |

Table 2: Distribution of samples by location of residence

| Location | Female | Male | Total |
|-----------------------------|-----------|-----------|-----------|
| Ulaanchuluut | | | |
| Near disposal site | 23.6 | 26.9 | 24.7 |
| Rught side of the main road | 21.8 | 7.7 | 17.3 |
| Left side of the main road | 18.2 | 23.1 | 19.8 |
| Nalaikh | 18.2 | 23.1 | 19.8 |
| Morindavaa | 18.2 | 19.2 | 18.5 |
| Total number | 55 | 26 | 81 |

Table 3: Educational background and employment status

| | Female | Male | Total |
|--|-----------|-----------|-----------|
| Education | | | |
| No formal schooling | 1.8 | 0.0 | 1.2 |
| Some primary | 1.8 | 0.0 | 1.2 |
| Completed primary school | 3.6 | 7.7 | 4.9 |
| Some secondary | 18.2 | 19.2 | 18.5 |
| Completed secondary school | 54.5 | 57.7 | 55.6 |
| Technical/Vocational | 1.8 | 11.5 | 4.9 |
| University | 18.2 | 3.8 | 13.6 |
| Current employment status | | | |
| Full-time (either employed or self-employed) | 25.5 | 50.0 | 33.3 |
| Part-time (either employed or self-employed) | 5.5 | 15.4 | 8.6 |
| Unemployed | 32.7 | 34.6 | 33.3 |
| Retired | 7.3 | 0.0 | 4.9 |
| Housewife (not working) | 23.6 | 0.0 | 16.0 |
| Students (not working) | 5.5 | 0.0 | 3.7 |
| Total number | 55 | 26 | 81 |

Table 4: Type of house

| Household characteristics | Number | Total |
|--|--------|-------|
| Type of house | | |
| Concrete house | 16 | 19.8 |
| Brick house | 2 | 2.5 |
| Wooden house | 17 | 21.0 |
| Wooden house+ger | 1 | 1.2 |
| Ger | 45 | 55.6 |
| Type of ownership | | |
| Owned | 75 | 92.6 |
| Rented | 6 | 7.4 |
| Type of toilet | | |
| Toilet in my house, connected to drainage system | 1 | 1.2 |
| Toilet in my house, not connected to drainage system | 1 | 1.2 |
| Toilet outside of house/ger | 70 | 86.4 |
| Public toilet | 3 | 3.7 |
| No toilet | 6 | 7.4 |
| Main source of drinking water | | |

| | | |
|-----------------------------------|-----------|------------|
| Piped water connected to house | 1 | 1.2 |
| Shared piped water | 2 | 2.5 |
| Public well | 7 | 8.6 |
| Private well/water vendor (kiosk) | 69 | 85.2 |
| Other | 2 | 2.5 |
| Do you have electricity? | | |
| Yes, I have my own connection | 73 | 90.1 |
| No | 8 | 9.9 |
| Total number | 81 | 100 |

Table 5: Priority of infrastructure

| Service | Ulaanchuluut | Nalaikh | Morindavaa | Total |
|------------------------|--------------|-----------|------------|-----------|
| Water supply | | | | |
| Very important | 62.0 | 43.7 | 46.7 | 55.5 |
| Important | 18.0 | 18.7 | 46.7 | 23.5 |
| Little important | 12.0 | 31.3 | 6.6 | 14.8 |
| Not important | 8.0 | 6.3 | 0 | 6.2 |
| Sewer pipe network | | | | |
| Very important | 10.0 | 18.8 | 13.3 | 12.4 |
| Important | 34.0 | 56.3 | 46.7 | 40.7 |
| Little important | 36.0 | 12.5 | 20.0 | 28.4 |
| Not important | 20.0 | 12.5 | 20.0 | 18.5 |
| Septic tank | | | | |
| Very important | 20.0 | 37.5 | 26.7 | 24.7 |
| Important | 42.0 | 56.3 | 46.7 | 45.7 |
| Little important | 18.0 | 6.3 | 20.0 | 16.0 |
| Not important | 20.0 | 0.0 | 6.7 | 13.6 |
| Solid waste collection | | | | |
| Very important | 58.0 | 56.3 | 60.0 | 58.0 |
| Important | 36.0 | 37.5 | 33.3 | 35.8 |
| Little important | 2.0 | 0.0 | 6.7 | 2.5 |
| Not important | 4.0 | 6.3 | 0.0 | 3.7 |
| Roads in living area | | | | |
| Very important | 58.0 | 12.5 | 33.3 | 44.4 |
| Important | 26.0 | 50.0 | 46.7 | 34.6 |
| Little important | 14.0 | 25.0 | 6.7 | 14.8 |
| Not important | 2.0 | 12.5 | 13.3 | 6.2 |
| Electricity supply | | | | |
| Very important | 30.0 | 43.8 | 40.0 | 34.6 |
| Important | 18.0 | 12.5 | 26.7 | 18.5 |
| Little important | 36.0 | 31.3 | 20.0 | 32.1 |
| Not important | 16.0 | 12.5 | 13.3 | 14.8 |
| Drainage facilities | | | | |
| Very important | 4.0 | 18.8 | 20.0 | 9.9 |
| Important | 26.0 | 31.3 | 40.0 | 29.6 |
| Little important | 28.0 | 25.0 | 26.7 | 27.2 |
| Not important | 42.0 | 25.0 | 13.3 | 33.3 |
| Telephone | | | | |
| Very important | 32.0 | 12.5 | 0.0 | 22.2 |
| Important | 20.0 | 56.3 | 60.0 | 34.6 |
| Little important | 20.0 | 18.7 | 20.0 | 19.7 |
| Not important | 28.0 | 12.5 | 20.0 | 23.5 |
| Total | 50 | 16 | 15 | 81 |

Table 6: preferable media

| How frequency do you | Female | Male | Total |
|--|--------|------|-------|
| Listen to the news on the radio | | | |
| Never | 30.9 | 38.5 | 33.3 |
| Rarely | 20.0 | 19.2 | 19.8 |
| Sometimes | 12.7 | 7.7 | 11.1 |
| Every day | 36.4 | 34.6 | 35.8 |
| Watch the news on T.V | | | |
| Never | 3.6 | 7.7 | 4.9 |
| Rarely | 7.3 | 15.4 | 9.9 |
| Sometimes | 1.8 | 3.8 | 2.5 |
| Every day | 87.3 | 73.1 | 82.7 |
| Read the news on newspaper | | | |
| Never | 10.9 | 7.7 | 9.9 |
| Rarely | 63.6 | 50.0 | 59.3 |
| Sometimes | 5.5 | 11.5 | 7.4 |

| | | | |
|--------------|------|------|------|
| Every day | 20.0 | 30.8 | 23.5 |
| Total number | 55 | 26 | 81 |

b. About Waste and its Management

Table 7: Solid waste Management

| | Female | Male | Total |
|--|-----------|-----------|-----------|
| How do you store kitchen waste at your house? | | | |
| In a plastic/paper/cement bag inside the house | 7.3 | 0.0 | 4.9 |
| In a container inside the house | 3.6 | 0.0 | 2.5 |
| In a plastic/paper/cement bag outside the house | 5.5 | 3.8 | 4.9 |
| In a container outside the house | 83.6 | 84.6 | 84.0 |
| On the ground outside | 0.0 | 11.5 | 3.7 |
| How do you store coal/wood/ash at house? | | | |
| In a bag/container separated from kitchen waste | 52.7 | 61.5 | 55.6 |
| In a bag/container with kitchen waste | 45.5 | 30.8 | 40.7 |
| Other | 1.8 | 7.7 | 3.7 |
| Do you have problems storing waste at home | | | |
| Yes | 58.2 | 61.5 | 59.3 |
| No | 41.8 | 38.5 | 40.7 |
| Total number | 55 | 26 | 81 |

Table 8: Problems related to storing waste at home

| Problems | Female | Male | Total |
|---|-----------|-----------|-----------|
| Problem regarding dumping/collection | 61.3 | 60.0 | 60.9 |
| Throw away the waste on the street or illegal dumping | 3.2 | 13.3 | 6.5 |
| Pollution | 22.6 | 13.3 | 19.6 |
| Negative impact on health | 0.0 | 6.7 | 2.2 |
| Bad smell | 9.7 | 6.7 | 8.7 |
| Flies/insects | 3.2 | 0.0 | 2.2 |
| Total number | 31 | 15 | 46 |

c. Situations at the disposal site

Table 9: Concern about the UCDS

| | Female | Male | Total |
|--|-----------|-----------|-----------|
| Are you concerned the situations at the disposal site | | | |
| Yes, very much | 87.3 | 96.2 | 90.1 |
| Yes, to some extent | 7.3 | 3.8 | 6.2 |
| No, not much | 1.8 | 0.0 | 1.2 |
| I do not know | 3.6 | 0.0 | 2.5 |
| Total number | 55 | 26 | 81 |

Table 10: Reason for concern

| | Female | Male | Total |
|---|--------|------|-------|
| Why are you concerned about the dumpsite | | | |
| It affects surrounding environment | 66.7 | 33.3 | 100 |
| It attracts more waste pickers in this area | 41.7 | 58.3 | 30.1 |
| It affects the land price and asset value | 75.0 | 25.0 | 10.3 |

Table 11: Changes in conditions at UCDS

| | Female | Male | Total |
|--|-----------|-----------|-----------|
| Compared to 5 years ago, what do you think the current situation is like? | | | |
| It is worsened | 66.7 | 73.1 | 68.8 |
| It is the same | 21.6 | 23.1 | 22.1 |
| It is better | 7.8 | 3.8 | 6.5 |
| I do not know | 3.9 | 0.0 | 2.6 |
| Total number | 52 | 26 | 78 |

Table 12: Consultation

| | Female | Male | Total |
|---|-----------|-----------|-----------|
| Have you ever consult anyone else about the situations of the dumpsite | | | |
| Yes | 38.5 | 46.2 | 41.1 |
| No | 61.5 | 53.8 | 58.9 |
| Total number | 52 | 26 | 78 |

Table 13: Consultation

| | Female | Male | Total |
|--|--------|------|-------|
| | | | |

| Whom did you consult most? | | | |
|--------------------------------------|-----------|-----------|-----------|
| Ulaanbaatar city | 5.0 | 0.0 | 3.1 |
| District chief or a District officer | 0.0 | 8.3 | 3.1 |
| Khoroo chief or a Khoroo officer | 45.0 | 50.0 | 46.9 |
| Neighbors | 10.0 | 0.0 | 6.3 |
| NGO | 5.0 | 0.0 | 3.1 |
| Other | 35.0 | 41.7 | 37.5 |
| Total | 20 | 12 | 32 |

Table 14: Most serious problems caused by UCDS

| | Female | Male | Total |
|--|---------------|-------------|--------------|
| Most serious | | | |
| Air pollution caused by fires at the dumpsite | 23.5 | 15.4 | 20.8 |
| Air pollution caused by scattered ashes and dust | 41.2 | 34.6 | 39.0 |
| Air pollution caused by collection vehicles | 2.0 | 7.7 | 3.9 |
| Bad smell | 29.4 | 26.9 | 28.6 |
| Spread of fires from the dumpsite to surrounding areas | 0.0 | 3.8 | 1.3 |
| Other | 3.9 | 11.5 | 6.5 |
| Total number | 52 | 26 | 78 |

Table 15: Second most serious problems caused by UCDS

| | Female | Male | Total |
|--|---------------|-------------|--------------|
| Second most serious | | | |
| Air pollution caused by fires at the dumpsite | 13.5 | 11.5 | 12.8 |
| Air pollution caused by scattered ashes and dust | 15.4 | 19.2 | 16.7 |
| Air pollution caused by collection vehicles | 7.7 | 0.0 | 5.1 |
| Bad smell | 42.3 | 53.8 | 46.2 |
| Water Pollution caused by leachate from the dumpsite | 3.8 | 0.0 | 2.6 |
| Traffic jam caused by collection vehicles | 3.8 | 3.8 | 3.8 |
| Spread of fires from the dumpsite to surrounding areas | 3.8 | 0.0 | 2.6 |
| Other | 9.6 | 11.5 | 10.3 |
| Total number | 55 | 26 | 81 |

d. Solutions of problems caused by waste

Table 16: Possible most effective measures

| | Female | Male | Total |
|--|---------------|-------------|--------------|
| Most effective measure to solve problems of scattered wastes on the street or illegal dumping in the open space | | | |
| To enact an anti-littering law and regulation and control it strictly | 38.2 | 34.6 | 37.0 |
| The number of collection vehicles and workers should be increased | 36.4 | 30.8 | 34.6 |
| To instruct people how to discharge waste in order to improve the manner | 10.9 | 15.4 | 12.6 |
| More street side waste containers have to be installed | 14.5 | 19.2 | 16.0 |
| Most effective measure to improve the situations at the dumpsite | | | |
| The central government establishes strict regulations to control operation/management of the dumpsite | 23.6 | 7.7 | 18.5 |
| Ulaanbaatar City increases waste collection fee to finance the operation/management cost of the dumpsite | 14.5 | 7.7 | 12.3 |
| Ordinary people and business take an effort to reduce the volume of waste by further reuse/recycling of waste | 38.2 | 42.3 | 39.5 |
| I do not know | 3.6 | 0.0 | 2.5 |
| Other | 20.0 | 42.3 | 27.2 |
| Total number | 55 | 26 | 81 |

e. Comments

| | | No | Percent |
|---|--|-----------|----------------|
| 1 | Need to move disposal site | 49 | 60.5 |
| 2 | Waste collection should work more frequently | 16 | 19.6 |
| 3 | To organise public cleaning | 12 | 14.8 |
| 4 | To reduce street or illegal dumping | 4 | 4.9 |
| 5 | To solve electricity and water problem | 6 | 7.4 |
| 6 | To organise disposal site | 7 | 8.6 |

| | | | |
|----|---|----|------|
| 7 | To create recycling | 9 | 11.1 |
| 8 | To ban a waste pickers | 1 | 1.2 |
| 9 | To consider a children who are working in the disposal site | 1 | 1.2 |
| 10 | Road/Transportation | 5 | 6.2 |
| 11 | To create more job | 18 | 22.2 |
| 12 | To increase salary/pension | 1 | 1.2 |
| 13 | Khoroo/police should work very good | 4 | 4.9 |
| 14 | To stablise social unrest | 4 | 4.9 |
| 15 | To solve social problems | 4 | 4.9 |

1.3.2 Interview Survey for Waste Pickers

a. Samples

| age group | Female | | Male | | total | |
|---------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| 18 – 24 years | 3 | 21.4% | | | 3 | 15.0% |
| 25 – 29 years | | | 1 | 16.7% | 1 | 5.0% |
| 30 – 34 years | | | 1 | 16.7% | 1 | 5.0% |
| 35 – 39 years | 1 | 7.1% | | | 1 | 5.0% |
| 40 – 44 years | 6 | 42.9% | 2 | 33.3% | 8 | 40.0% |
| 45 – 49 years | 3 | 21.4% | | | 3 | 15.0% |
| 50 – 54 years | | | 1 | 16.7% | 1 | 5.0% |
| 55 – 59 years | 1 | 7.1% | | | 1 | 5.0% |
| 60 – 64 years | | | 1 | 16.7% | 1 | 5.0% |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

Educational Background

| | Female | | Male | | total | |
|----------------------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Some primary | 1 | 7.1% | 1 | 16.7% | 2 | 10.0% |
| Completed primary school | 5 | 35.7% | 1 | 16.7% | 6 | 30.0% |
| Some secondary | 1 | 7.1% | 2 | 33.3% | 3 | 15.0% |
| Completed secondary school | 7 | 50.0% | 1 | 16.7% | 8 | 40.0% |
| Technical/Vocational | | | 1 | 16.7% | 1 | 5.0% |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

Literacy

| | Female | | Male | | total | |
|-------|--------|-------|-------|------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 13 | 92.9% | 6 | 100% | 19 | 95.0% |
| No | 1 | 7.1% | | | 1 | 5.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Address

| | Female | | Male | | total | |
|----------|--------|-------|-------|------|-------|-------|
| | count | col% | count | col% | count | col% |
| Khoroo 3 | 1 | 7.1% | | | 1 | 5.0% |
| Khoroo 4 | 12 | 85.7% | 6 | 100% | 18 | 90.0% |
| Khoroo 7 | 1 | 7.1% | | | 1 | 5.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Location of residence

| | Female | | Male | | total | |
|-----------------------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Near from the disposal site | 3 | 21.4% | 4 | 66.7% | 7 | 35.0% |
| 2 | 8 | 57.1% | 2 | 33.3% | 10 | 50.0% |
| 3 | 3 | 21.4% | | | 3 | 15.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q2 How long has your family lived at the current premises?

| Duration of stay | count | col% |
|------------------------------|-------|-------|
| less than 1 year | 3 | 15.0% |
| 1 year - less than 3 years | 7 | 35.0% |
| 3 years - less than 5 years | 6 | 30.0% |
| 5 years - less than 10 years | 2 | 10.0% |
| 10 years and more | 2 | 10.0% |
| total | 20 | 100% |

Q2 if you live here for less than 5 years, where are you from?

| Previous city/aimag | count | Col% |
|---------------------|-------|-------|
| Bayankhongor | 1 | 6.3% |
| Darkhn | 1 | 6.3% |
| Govi-Alтай | 2 | 12.5% |
| Selenge | 2 | 12.5% |
| Tuv | 2 | 12.5% |
| Ulaanbaatar | 7 | 43.8% |
| Uverkhangai | 1 | 6.3% |
| total | 16 | 100% |

Q3 Did you already register?

| Registration | count | col% |
|--------------|-------|-------|
| Yes | 7 | 43.8% |
| No | 9 | 56.3% |
| total | 16 | 100% |

Q4 Why did your family come to live here?

| Reason of move | count | |
|---|-------|-------|
| To pick a waste | 3 | 18.8% |
| Unemployed | 6 | 37.5% |
| To seek a services /hospital, school etc/ | 4 | 25.0% |
| Got a land in this khoro | 3 | 18.8% |
| total | 16 | 100% |

b. General Issues

Q5a what do you think the most serious problems in Ulaanbaatar at present
 Q5b How about other serious problems?

| | most serious | | other serious | | total | |
|-----------------------------------|--------------|-------|---------------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Inadequate supply of safe water | 2 | 10.0% | 2 | 10.0% | 4 | 20.0% |
| High crime rate | | | 5 | 25.0% | 5 | 25.0% |
| Poverty problems | 3 | 15.0% | 10 | 50.0% | 13 | 65.0% |
| Economic issues such as Inflation | | | 6 | 30.0% | 6 | 30.0% |
| Social unrest | | | 3 | 15.0% | 3 | 15.0% |
| Political instability | | | 1 | 5.0% | 1 | 5.0% |
| Bribes and corruption | | | 2 | 10.0% | 2 | 10.0% |
| Environmental problems | 2 | 10.0% | 6 | 30.0% | 8 | 40.0% |
| Land ownership issues | | | 3 | 15.0% | 3 | 15.0% |
| Drug problems | 1 | 5.0% | 5 | 25.0% | 6 | 30.0% |
| Unemployment | 10 | 50.0% | 7 | 35.0% | 17 | 85.0% |
| Natural Disasters | | | | | 2 | 10.0% |
| Others | 2 | 10.0% | | | | |
| total | 20 | 100% | 20 | 100% | 20 | 100% |

Q6 Priority

| | water supply | | sewer pipe | | septic tank | |
|----------------------|--------------|-------|------------|-------|-------------|-------|
| | count | col% | count | col% | count | col% |
| Very important | 15 | 75.0% | 2 | 10.0% | 5 | 25.0% |
| Important | 2 | 10.0% | 9 | 45.0% | 10 | 50.0% |
| Little important | 2 | 10.0% | 4 | 20.0% | 2 | 10.0% |
| Not important at all | 1 | 5.0% | 5 | 25.0% | 3 | 15.0% |
| total | 20 | 100% | 20 | 100% | 20 | 100% |
| Score | 1.45 | | 2.6 | | 2.15 | |

| | Access road | | electricity | | drainage | |
|----------------------|-------------|-------|-------------|-------|----------|-------|
| | count | col% | count | col% | count | col% |
| Very important | | 0.0% | 13 | 65.0% | 3 | 15.0% |
| Important | 12 | 60.0% | 2 | 10.0% | 9 | 45.0% |
| Little important | 3 | 15.0% | 5 | 25.0% | 3 | 15.0% |
| Not important at all | 3 | 15.0% | | 0.0% | 5 | 25.0% |
| total | 20 | 100% | 20 | 100% | 20 | 100% |
| Score | 2.25 | | 1.6 | | 2.5 | |

c. Working at Disposal Site

Q7a How long have you been working at the dumpsite?

| how long working | Female | | Male | | total | |
|------------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| 1 year | 1 | 7.1% | 2 | 33.3% | 3 | 15.0% |
| 2 years | 4 | 28.6% | | | 4 | 20.0% |
| 3 years | 3 | 21.4% | 1 | 16.7% | 4 | 20.0% |
| 4 years | 2 | 14.3% | 1 | 16.7% | 3 | 15.0% |
| 5 years | 2 | 14.3% | 1 | 16.7% | 3 | 15.0% |
| 13 years | 1 | 7.1% | | | 1 | 5.0% |
| 14 years | 1 | 7.1% | | | 1 | 5.0% |
| 15 years | | | 1 | 16.7% | 1 | 5.0% |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

Q7b Do you have any experience of doing other jobs?

| work experience | Female | | Male | | total | |
|-----------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 13 | 92.9% | 4 | 66.7% | 17 | 85.0% |
| No | 1 | 7.1% | 2 | 33.3% | 3 | 15.0% |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

Q7c What type of work were you engaged in?

| type of work | Female | | Male | | total | |
|---------------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| tailor/dressmaker | 6 | 46.2% | | | 6 | 35.3% |
| construction worker | 1 | 7.7% | 2 | 50.0% | 3 | 17.6% |
| herder | 3 | 23.1% | | | 3 | 17.6% |
| sales | 2 | 15.4% | 1 | 25.0% | 3 | 17.6% |
| private | 1 | 7.7% | 1 | 25.0% | 2 | 11.8% |
| total | 13 | 100% | 4 | 100% | 17 | 100% |

Q8 total working hours per day

| hours | Female | | Male | | total | |
|-------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| 7 | 1 | 7.1% | | | 1 | 5.0% |
| 8 | 1 | 7.1% | 1 | 16.7% | 2 | 10.0% |
| 9 | 1 | 7.1% | | 0.0% | 1 | 5.0% |
| 10 | 3 | 21.4% | 2 | 33.3% | 5 | 25.0% |
| 11 | 2 | 14.3% | 1 | 16.7% | 3 | 15.0% |
| 11.5 | 1 | 7.1% | | | 1 | 5.0% |
| 12 | 1 | 7.1% | | | 1 | 5.0% |
| 13 | 2 | 14.3% | | | 2 | 10.0% |
| 14 | 1 | 7.1% | 2 | 0.0% | 3 | 15.0% |
| 15 | 1 | 7.1% | | | 1 | 5.0% |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

Q10a Have you ever taken a hygiene training program?

| | Female | | Male | | total | |
|-------|--------|-------|-------|------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 6 | 42.9% | | | 6 | 30.0% |
| No | 8 | 57.1% | 6 | 100% | 14 | 70.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q10b Who provided the program?

| | Female | | Male | | total | |
|----------------------|--------|-------|-------|------|-------|-------|
| | count | col% | count | col% | count | col% |
| Doctor from district | 3 | 21.4% | | | 3 | 15.0% |
| World Vision | 2 | 14.3% | | | 2 | 10.0% |
| Red Cross | 1 | 7.1% | | | 1 | 5.0% |
| Total | 6 | 100% | | | 6 | 100% |

Q11a Do you use protective goods?

| | Female | | Male | | total | |
|-------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 13 | 92.9% | 5 | 83.3% | 18 | 90.0% |
| No | 1 | 7.1% | 1 | 16.7% | 2 | 10.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q11b What kinds of protective goods?

| | Female | | Male | | total | |
|---------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Shoes | 1 | 7.7% | 2 | 40.0% | 3 | 16.7% |
| boots | 2 | 15.4% | 2 | 40.0% | 4 | 22.2% |
| gloves | 12 | 92.3% | 5 | 100% | 17 | 94.4% |
| thick clothes | 4 | 30.8% | 2 | 40.0% | 6 | 33.3% |
| mask | 8 | 61.5% | 2 | 40.0% | 10 | 55.6% |
| others | 8 | 61.5% | 3 | 60.0% | 11 | 61.1% |
| glass | 1 | 7.7% | 1 | 20.0% | 2 | 11.1% |
| scarf | 2 | 15.4% | | | 2 | 11.1% |
| hook | 5 | 38.5% | 2 | 40.0% | 7 | 38.9% |
| cap | 2 | 15.4% | | | 2 | 11.1% |
| total | 13 | 100% | 5 | 100% | 18 | 100% |

Q11c How to get these protective goods?

| | Female | | Male | | total | |
|-------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| I bought | 12 | 92.3% | 4 | 80.0% | 16 | 88.9% |
| I picked up | 4 | 30.8% | 1 | 20.0% | 5 | 27.8% |
| | 13 | 100% | 5 | 100% | 18 | 100% |

Q12a What is the most serious problems during the work at the dumpsite?

| | Female | | Male | | total | |
|--|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| not enough protective clothes and equipments | 1 | 7.1% | | | 1 | 5.0% |
| Possibility to be infected by disease and injure | 4 | 28.6% | | | 5 | 25.0% |
| Bad smell | 3 | 21.4% | | | 3 | 15.0% |
| Fires at the dumpsite and emission of polluted gas | 2 | 14.3% | 1 | 16.7% | 3 | 15.0% |
| scattered ashes and dust | 1 | 7.1% | 2 | 33.3% | 3 | 15.0% |
| Competition with other waste pickers | 1 | 7.1% | | | 1 | 5.0% |
| Possibility of accidents | 4 | 28.6% | 2 | 33.3% | 6 | 30.0% |
| not enough water to wash hands and feet | | | 1 | 16.7% | 1 | 5.0% |
| not enough valuable waste | | | | | | |
| others | | | | | | |
| WP's behavior | 1 | 7.1% | | | 1 | 5.0% |
| Flies | 1 | 7.1% | | | 1 | 5.0% |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

Q12 How about the second most?

| | Female | | Male | | total | |
|--|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| not enough protective clothes and equipments | 1 | 7.1% | | | 1 | 5.0% |
| Possibility to be infected by disease and injure | 4 | 28.6% | 1 | 16.7% | 5 | 25.0% |
| Bad smell | 2 | 14.3% | | | 2 | 10.0% |
| Fires at the dumpsite and emission of polluted gas | 4 | 28.6% | 2 | 33.3% | 6 | 30.0% |
| scattered ashes and dust | 1 | 7.1% | 1 | 16.7% | 2 | 10.0% |
| Competition with other waste pickers | 1 | 7.1% | | | 1 | 5.0% |
| Possibility of accidents | 1 | 7.1% | 2 | 33.3% | 3 | 15.0% |
| not enough water to wash hands and feet | | | | | | |
| not enough valuable waste | | | | | | |
| others | | | | | | |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

Q13a Have you ever had any experiences of being injured at the dumpsite?

| | Female | | Male | | total | |
|-------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 5 | 35.7% | 1 | 16.7% | 6 | 30.0% |
| No | 9 | 64.3% | 5 | 83.3% | 14 | 70.0% |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

Q13b How you ever had any experiences of being hit by a collection vehicle or bulldozer at the dumpsite?

| | Female | | Male | | total | |
|-------|--------|-------|-------|------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 1 | 20.0% | | | 1 | 16.7% |
| No | 4 | 80.0% | 1 | | 5 | 83.3% |
| Total | 5 | 100% | 1 | 100% | 6 | 100% |

Q13c Have you ever had a narrow escape from a collision with a collection vehicle or bulldozer?

| | Female | | Male | | total | |
|-------|--------|-------|-------|------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 6 | 42.9% | | | 6 | 30.0% |
| No | 8 | 57.1% | 6 | 100% | 14 | 70.0% |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

Q13d Have you ever had an experience of being infected at the disposal site?

| | Female | | Male | | total | |
|-------|--------|------|-------|------|-------|------|
| | count | col% | count | col% | count | col% |
| Yes | | | | | | |
| No | 14 | 100% | 6 | 100% | 20 | 100% |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

d. Child Issues

Q14a Is your child (children) also working at the dumpsite? (child: under the age of 15)

| | Female | | Male | | total | |
|--------------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 2 | 14.3% | 3 | 50.0% | 5 | 25.0% |
| No | 9 | 64.3% | 2 | 33.3% | 11 | 55.0% |
| I have no children | 2 | 14.3% | 1 | 16.7% | 3 | 15.0% |
| no response | 1 | 7.1% | | | 1 | 5.0% |
| total | 14 | 100% | 6 | 100% | 20 | 100% |

Q14b How many children are working at the disposal site?

| number | Female | | Male | | total | |
|--------|--------|------|-------|------|-------|------|
| | count | col% | count | col% | count | col% |
| 1 | 1 | 50% | 3 | 100% | 4 | 80% |
| 2 | 1 | 50% | | | 1 | 20% |
| Total | 2 | 100% | 3 | 100% | 5 | 100% |

Q14c Age of these children?

| Age | total | |
|-------|-------|-------|
| | count | col% |
| 10 | 1 | 16.7% |
| 12 | 2 | 33.3% |
| 13 | 1 | 16.7% |
| 14 | 1 | 16.7% |
| 16 | 1 | 16.7% |
| total | 6 | 100% |

Q14d Do they go to school?

| | | |
|-------|---|-------|
| Yes | 1 | 16.7% |
| No | 5 | 83.3% |
| total | 6 | 100% |

e. Rules at the disposal site

Q15 If bad smell and fires at the dumpsite are mitigated, how do you think about it?

| | Female | | Male | | total | |
|----------------------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| It is very good. | 8 | 57.1% | 4 | 66.7% | 12 | 60.0% |
| It is good to some extent. | 6 | 42.9% | 1 | 16.7% | 7 | 35.0% |
| It does not matter much. | | | | | | |
| It does not matter at all. | | | 1 | 16.7% | 1 | 5.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q16 Do you think that a measure to protect you and your children from accident is needed?

| | Female | | Male | | Total | |
|--------------------------------------|--------|-------|-------|------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes, it is necessary very much. | 13 | 92.9% | 6 | | 19 | 95.0% |
| Yes, it is necessary to some extent. | 1 | 7.1% | | | 1 | 5.0% |
| No, it is not necessary very much. | | | | | | |
| No, it is not necessary at all. | | | | | | |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q17 Opinion about the introduction of rules at the disposal site

| | Female | | Male | | total | |
|--|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| If safety is enhanced and the environment is improved, I agree with rules. | 13 | 92.9% | 5 | | 18 | 90.0% |
| It is good to enhance the safety, but if this reduce the working time and revenue, I am against rules. | 1 | 7.1% | 1 | 16.7% | 2 | 10.0% |
| I do not care the accidents and I am against the introduction of any rules. | | | | | | |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

f. Living Conditions

Q18a What is the most serious problem concerning the living conditions?

| most serious | Female | | Male | | total | |
|--|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| there is not enough safe water | 5 | 35.7% | 2 | 33.3% | 7 | 35.0% |
| there is not toilet in the house | | | | | | |
| air pollution from the dumpsite | 2 | 14.3% | 1 | 16.7% | 3 | 15.0% |
| there is not electricity at home | 3 | 21.4% | 2 | 33.3% | 5 | 25.0% |
| bad smell from the disposal site | | | 1 | 16.7% | 1 | 5.0% |
| bad smell caused by illegal dumping near the house | | | | | 2 | 10.0% |
| fires at the dumpsite | 2 | 14.3% | | | | |
| others | 2 | 14.3% | | | 2 | 10.0% |
| no response | | | | | | |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q18b How about the second most serious problem?

| second most serious | Female | | Male | | total | |
|--|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| there is not enough safe water | 1 | 7.1% | 1 | 16.7% | 2 | 10.0% |
| there is not toilet in the house | 2 | 14.3% | | | 2 | 10.0% |
| air pollution from the dumpsite | | | | | | |
| there is not electricity at home | 4 | 28.6% | 2 | 33.3% | 6 | 30.0% |
| bad smell from the disposal site | 4 | 28.6% | | | 4 | 20.0% |
| bad smell caused by illegal dumping near the house | | | 1 | 16.7% | 1 | 5.0% |
| fires at the dumpsite | 3 | 21.4% | | | 3 | 15.0% |
| others | | | 1 | 16.7% | 1 | 5.0% |
| no response | | | 1 | 16.7% | 1 | 5.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q19a Do you think that the dumpsite affect your living conditions?

| | Female | | Male | | total | |
|---------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 10 | 71.4% | 5 | 83.3% | 15 | 75.0% |
| No | 3 | 21.4% | | | 3 | 15.0% |
| I do not know | 1 | 7.1% | 1 | 16.7% | 2 | 10.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q19b What kinds of matters are you concerned?

| | Female | | Male | | total | |
|--|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Air pollution caused by fires at the dumpsite | 6 | 60.0% | 3 | 60.0% | 9 | 60.0% |
| Air pollution caused by scattered ashes and dust | 1 | 10.0% | 3 | 60.0% | 4 | 26.7% |
| Air pollution caused by collection vehicles | | | 1 | 20.0% | 1 | 6.7% |
| Bad smell | 5 | 50.0% | 4 | 80.0% | 9 | 60.0% |
| Water Pollution caused by leachate from the dumpsite | | | | | | |
| Traffic jam caused by collection vehicles | | | | | | |
| Spread of fires from the dumpsite to surrounding areas | 1 | 10.0% | 1 | 20.0% | 2 | 13.3% |
| others | 4 | 40.0% | 1 | 20.0% | 5 | 33.3% |
| scattered plastic bags | 1 | 10.0% | 1 | 20.0% | 2 | 13.3% |
| safety | 2 | 20.0% | | | 2 | 13.3% |
| waste pickers | 2 | 20.0% | | | 2 | 13.3% |
| total | 10 | 100% | 5 | 100% | 15 | 100% |

Q19c Do you suffer damages from the disposal site?

| | Female | | Male | | total | |
|-------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 3 | 30.0% | 2 | 40.0% | 5 | 33.3% |
| No | 6 | 60.0% | 3 | 60.0% | 9 | 60.0% |
| no response | 1 | 10.0% | | | 1 | 6.7% |
| Total | 10 | 100% | 5 | 100% | 15 | 100% |

Q19d What kind of damage?

| | Female | | Male | | total | |
|----------------------------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| pollution | 1 | 20.0% | 2 | 66.7% | 3 | 37.5% |
| psychology | 2 | 40.0% | | | 2 | 25.0% |
| bulldozer run over husband's leg | | | | | | |
| health problem | 2 | 40.0% | 1 | 33.3% | 3 | 37.5% |
| Total | 5 | 100% | 3 | 100% | 8 | 100% |

Q19e Have you ever consult anyone else about the situations of the dumpsite?

| | Female | | Male | | total | |
|-------|--------|------|-------|------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 2 | 50% | | | 2 | 33.3% |
| No | 2 | 50% | 2 | | 4 | 66.7% |
| Total | 4 | 100% | 2 | 100% | 6 | 100% |

Q19f Whom did you consult with?

| | Female | | Male | | total | |
|--------|--------|------|-------|------|-------|------|
| | count | col% | count | col% | count | col% |
| MUB | 1 | 50% | | | 1 | 50% |
| others | 1 | 50% | | | 1 | 50% |
| Total | 2 | 100% | | | 2 | 100% |

Q20 Are you concerned about your health?

| | Female | | Male | | total | |
|-------|--------|------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Yes | 14 | 100% | 5 | 83.3% | 19 | 95.0% |
| No | | | 1 | 16.7% | 1 | 5.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q22a When you get sick or injured, how do you treat it?

| | Female | | Male | | total | |
|------------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| go to see doctor | 5 | 35.7% | 3 | 50.0% | 8 | 40.0% |
| buy medicine | 9 | 64.3% | 3 | 50.0% | 12 | 60.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q22b How much do you usually spend for the health care for the whole family per month?

| | Female | | Male | | total | |
|---------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| 400 | | | | | | |
| 1000 | 1 | 7.1% | 1 | 16.7% | 1 | 5.0% |
| 1500 | 2 | 14.3% | | | 2 | 10.0% |
| 2000 | 3 | 21.4% | | | 3 | 15.0% |
| 3000 | 2 | 14.3% | | | 2 | 10.0% |
| 4000 | 2 | 14.3% | | | 2 | 10.0% |
| 5000 | | | | | 2 | 10.0% |
| 6000 | 1 | 7.1% | | | 1 | 5.0% |
| 10000 | 1 | 7.1% | 1 | 16.7% | 2 | 10.0% |
| 15000 | | | 2 | 33.3% | 2 | 10.0% |
| 20000 | 2 | 14.3% | | | 2 | 10.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |
| Average | 5,900 | | 8,100 | | 6,500 | |

g. Future Plan

Q23 Why did you start waste picking at the dumpsite?

| | Female | | Male | | total | |
|---|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| My parent(s) works (worked) as a waste picker. there is no other job | 1 | 7.1% | | | 1 | 5.0% |
| More opportunity to earn money | 9 | 64.3% | 4 | 66.7% | 13 | 65.0% |
| Come with friend/relative | 1 | 7.1% | 2 | 33.3% | 3 | 15.0% |
| | 3 | 21.4% | | | 3 | 15.0% |
| | 14 | 100% | 6 | 100% | 20 | 100% |

Q24a Do you want to start new jobs other than waste picking?

| | Female | | Male | | total | |
|-------|--------|------|-------|------|-------|------|
| | count | col% | count | col% | count | col% |
| Yes | 14 | 100% | 6 | 100% | 20 | 100% |
| No | | | | | | |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q24b What kind of job do you want to do?

| | Female | | Male | | total | |
|---|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| any kind of job if I could find | 10 | 71.4% | 3 | 50.0% | 13 | 65.0% |
| I would like to have a job that has reasonable salary | | | 1 | 16.7% | 1 | 5.0% |
| I would like to work by my profession | 4 | 28.6% | 2 | 33.3% | 6 | 30.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q24c What is the main obstacle to start a new job?

| | Female | | Male | | total | |
|---------------------------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| No ID | 2 | 14.3% | 2 | 33.3% | 4 | 20.0% |
| Age limit/visual discrimination | 8 | 57.1% | 2 | 33.3% | 10 | 50.0% |
| Some job doesn't pay more | 1 | 7.1% | | | 1 | 5.0% |
| No acquaintances | 2 | 14.3% | | | 2 | 10.0% |
| Not skilled | | | 1 | 16.7% | 1 | 5.0% |
| Retired | 1 | 7.1% | | | 1 | 5.0% |
| Didn't seek job | | 0.0% | 1 | 16.7% | 1 | 5.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q25 If the dumpsite is moved to another place, what are you going to do?

| | Female | | Male | | total | |
|---|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| want to continue to pick up waste at the new site | 8 | 57.1% | 4 | 66.7% | 12 | 60.0% |
| to pick up waste on the street | 1 | 7.1% | 1 | 16.7% | 2 | 10.0% |
| want to start new job such as collection work | 3 | 21.4% | | | 3 | 15.0% |
| will find some other job | 2 | 14.3% | 1 | 16.7% | 3 | 15.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

Q37 Household Income

| | Female | | Male | | total | |
|---------------------------|--------|-------|-------|-------|-------|-------|
| | count | col% | count | col% | count | col% |
| Less than Tg 44,000/month | 6 | 42.9% | 3 | 50.0% | 9 | 45.0% |
| Tg 44,000-Tg 110,000 | 8 | 57.1% | 3 | 50.0% | 11 | 55.0% |
| Total | 14 | 100% | 6 | 100% | 20 | 100% |

1.4 Weighbridge Data

Table 1-9· List of Registered Collection Vehicle

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Mn | DriverName Eng | OwnerName Mn | OwnerName Eng |
|-----|---------|---------|----------------------------|-------------------|-----------------------------------|-------------------|----------|-------------|---------------|----------------|---------------------|--------------------|
| 1 | 1 | 5863 | Баянгол ТҮК (Bayangol TUK) | KO-450 (KO-450) | | | | 4200 | Гантулига | Gantulga | Баянгол ТҮК | Bayangol TUK |
| 2 | 1 | 5864 | Баянгол ТҮК (Bayangol TUK) | KO-450 (KO-450) | | | | 4540 | Баувубаатар | Bavuubaatar | Баянгол ТҮК | Bayangol TUK |
| 3 | 1 | 0174 | Баянгол ТҮК (Bayangol TUK) | Исузу (Isuzu) | | | | 4800 | Энхтуяа | Enkhtuya | Баянгол ТҮК | Bayangol TUK |
| 4 | 1 | 6133 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | | | | 4140 | Давийнямбуу | Davinyaambuu | Баянгол ТҮК | Bayangol TUK |
| 5 | 1 | 1619 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | | | | 4840 | Шинебаяр | Shinebayar | Баянгол ТҮК | Bayangol TUK |
| 6 | 1 | 6328 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | | | | 4050 | Сайнбаяр | Sainbayar | Баянгол ТҮК | Bayangol TUK |
| 7 | 1 | 8569 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | | | | | Тамеро-оир | Tomorochir | Баянгол ТҮК | Bayangol TUK |
| 8 | 1 | 5028 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | | | | | Энхбаяр | Enkhbayar | Баянгол ТҮК | Bayangol TUK |
| 9 | 1 | 4965 | Баянгол ТҮК (Bayangol TUK) | M-53 (M-53) | | | | | Тогтоор | Togtoor | Баянгол ТҮК | Bayangol TUK |
| 10 | 1 | 0216 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | задтай (Open) | | | 4050 | Өлзийбаяр | Olzibayar | Баянгол ТҮК | Bayangol TUK |
| 11 | 1 | 0542 | Баянгол ТҮК (Bayangol TUK) | Зил-130 (Zil-130) | задтай (Open) | | | 4020 | Баатар | Baatar | СүхбаатарТҮК | SuhbaatarTUk |
| 12 | 1 | 0850 | Баянгол ТҮК (Bayangol TUK) | M-53 (M-53) | задтай (Open) | | | 2330 | Дашням | Dashnam | Цагдаагийн авто баз | Police Garage |
| 13 | 1 | 0873 | Баянгол ТҮК (Bayangol TUK) | Исузу (Isuzu) | өөрөө тандыг тавьшгэй (Container) | Исузу (Isuzu) | | 3800 | Мөнхсайхан | monhsaihan | түк | Bayangol TUk |
| 14 | 1 | 0874 | Баянгол ТҮК (Bayangol TUK) | Исузу (Isuzu) | битүү тэвшигтэй (Compaactor) | Исузу (Isuzu) | | 5300 | Батбаяр | batbayar | Баянгол ТҮК | Bayangol TUk |
| 15 | 1 | 0875 | Баянгол ТҮК (Bayangol TUK) | Исузу (Isuzu) | битүү тэвшигтэй (Compaactor) | Исузу (Isuzu) | | 4380 | Хүрэлбаатар | Hurebaater | Баянгол ТҮК | Bayangol TUk |
| 16 | 1 | 0973 | Баянгол ТҮК (Bayangol TUK) | Масти (Mighty) | битүү тэвшигтэй (Compaactor) | Масти (Mighty) | | 2940 | Болд | Bold | Монгол тамхи соо | Mongol tamhi co |
| 17 | 1 | 1092 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | | 4800 | Энхбаяр | Enkhbayar | Баянгол ТҮК | Bayangol TUk |
| 18 | 1 | 1682 | Баянгол ТҮК (Bayangol TUK) | Камаз (Kamaz) | задтай (Open) | Камаз (Kamaz) | | 9860 | Петрович | Petrovich | Алтай Дорнод | Altai Dornod |
| 19 | 1 | 2111 | Баянгол ТҮК (Bayangol TUK) | Ниссан (Nissan) | битүү тэвшигтэй (Compaactor) | Ниссан (Nissan) | | | хүүжин | jijii | kkkk | jijii |
| 20 | 1 | 2376 | Баянгол ТҮК (Bayangol TUK) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | | 1700 | Дашням | Dashnam | Даком | Dakom |
| 21 | 1 | 2736 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | | 4050 | Амарсанаа | Amarsanaa | Баянгол ТҮК | Bayangol TUk |
| 22 | 1 | 3836 | Баянгол ТҮК (Bayangol TUK) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | | 1920 | Батхүү | Bathuu | Одкон салхижыч | Odkon windows |
| 23 | 1 | 4985 | Баянгол ТҮК (Bayangol TUK) | M-53 (M-53) | битүү тэвшигтэй (Compaactor) | M-53 (M-53) | | 3800 | тогтоор | Togtoor | баянгол түк | Bayangol TUk |
| 24 | 1 | 5021 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | | 4800 | Цээс/эрэн | Tseesuren | Баянгол ТҮК | Bayangol TUk |
| 25 | 1 | 5425 | Баянгол ТҮК (Bayangol TUK) | KO-440 (KO-440) | битүү тэвшигтэй (Compaactor) | KO-440 (KO-440) | | 3800 | Пүрэвдорж | Purevdorj | Баянгол ТҮК | Bayangol TUk |
| 26 | 1 | 5569 | Баянгол ТҮК (Bayangol TUK) | Бусад (Others) | задтай (Open) | Бусад (Others) | | 7940 | Тумир-Очир | Tumir-Ochir | Баянгол ТҮК | Bayangol TUk |
| 27 | 1 | 6329 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | | 4660 | Цагаанхүү | Tsagaanhui | Баянгол ТҮК | Bayangol TUk |
| 28 | 1 | 7717 | Баянгол ТҮК (Bayangol TUK) | Бусад (Others) | ????? (Others) | Бусад (Others) | | 1400 | Батжаргал | Batjargal | Zig zag | Zig zag |
| 29 | 1 | 7991 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | | 4520 | Батболц | Batbold | Тост ёрөө | Test uruu |
| 30 | 1 | 8308 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | | 5120 | Хийнгүсүх | Hishigsuh | Улаанбаатар палас | Ulaanbaatar palace |
| 31 | 1 | 8462 | Баянгол ТҮК (Bayangol TUK) | Зил-555 (Zil-555) | задтай (Open) | Зил-555 (Zil-555) | | 4100 | Нордог | Nordog | Монгол алт | Mongol alt |
| 32 | 1 | 8895 | Баянгол ТҮК (Bayangol TUK) | Зил-130 (Zil-130) | задтай (Open) | Зил-130 (Zil-130) | | 4820 | Баярсаихан | Bayarsaikan | Барс зах | Bars market |

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Eng | OwnerName Mn | OwnerName Eng |
|-----|---------|---------|-------------------------------|-----------------------------|-----------------------------|-----------------------------|----------|--------------|----------------|-----------------|-------------------|
| 33 | 1 | 8913 | Баянгол ТҮК (Bayangol TUK) | Бонго (Bongo) | Бонго (Bongo) | Бонго (Bongo) | 1750 | Унэнбат | Эс Ти Мебель | Боса төв | Боса төв |
| 34 | 1 | 9245 | Баянгол ТҮК (Bayangol TUK) | М-53 (M-53) | М-53 (M-53) | М-53 (M-53) | 3840 | Очирбат | Боса төв | Фуучери Холдинг | Fucherri Holding |
| 35 | 1 | 9681 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 4020 | Улаанцог | Баянгол | Баянгол | BayanGol TUK |
| 36 | 1 | 9919 | Баянгол ТҮК (Bayangol TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 4050 | Нарангэрэл | Мунхдээлжер | Баянзүрх ТҮК | Bayanzurengii TUK |
| 37 | 2 | 8722 | Баянзүрх ТҮК (Bayanzurkh TUK) | КО-440 (KO-440) | КО-440 (KO-440) | КО-440 (KO-440) | 3880 | Мянхэлгэр | Гансух | Баянзүрх ТҮК | Bayanzurengii TUK |
| 38 | 2 | 8718 | Баянзүрх ТҮК (Bayanzurkh TUK) | М-53 (M-53) | М-53 (M-53) | М-53 (M-53) | 4540 | Доржготов | Доржготов | Баянзүрх ТҮК | Bayanzurengii TUK |
| 39 | 2 | 6274 | Баянзүрх ТҮК (Bayanzurkh TUK) | Исузу (Isuzu) | Исузу (Isuzu) | Исузу (Isuzu) | 3900 | Оюулгардэнэ | Нармандах | Нармандах | Оюундерене |
| 40 | 2 | 0481 | Баянзүрх ТҮК (Bayanzurkh TUK) | Газ-53 (Gaz-53) | Газ-53 (Gaz-53) | Газ-53 (Gaz-53) | 4280 | Хүрэлбаатар | Баатарсүрэн | Баатарсүрэн | Баянзүрх ТҮК |
| 41 | 2 | 0482 | Баянзүрх ТҮК (Bayanzurkh TUK) | Газ-53 (Gaz-53) | Газ-53 (Gaz-53) | Газ-53 (Gaz-53) | 3800 | Хүрэлбаатар | Хуреibaatar | Хуреibaatar | Баянзүрх ТҮК |
| 42 | 2 | 6076 | Баянзүрх ТҮК (Bayanzurkh TUK) | Даваадорж | Даваадорж | Даваадорж | 3800 | Даваадорж | Даваадорж | Даваадорж | Баянзүрх ТҮК |
| 43 | 2 | 6080 | Баянзүрх ТҮК (Bayanzurkh TUK) | Газ-53 (Gaz-53) | Газ-53 (Gaz-53) | Газ-53 (Gaz-53) | 3980 | Ганчулун | Ганчулун | Ганчулун | Баянзүрх ТҮК |
| 44 | 2 | 6082 | Баянзүрх ТҮК (Bayanzurkh TUK) | Газ-53 (Gaz-53) | Газ-53 (Gaz-53) | Газ-53 (Gaz-53) | 3720 | Чинбаяа | Чинбаяа | Чинбаяа | Баянзүрх ТҮК |
| 45 | 2 | 6083 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 4240 | Хархүү | Хархүү | Хархүү | Баянзүрх ТҮК |
| 46 | 2 | 7881 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 4360 | Энхжаргал | Энхжаргал | Энхжаргал | Баянзүрх ТҮК |
| 47 | 2 | 5830 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 4300 | Мулааш | Мулааш | Мулааш | Баянзүрх ТҮК |
| 48 | 2 | 5829 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 3580 | Эрдэнэбат | Эрдэнэбат | Эрдэнэбат | Баянзүрх ТҮК |
| 49 | 2 | 7882 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 3820 | Мэнхбат | Мункхбат | Мункхбат | Баянзүрх ТҮК |
| 50 | 2 | 7883 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 4320 | Наранбадрах | Наранбадрах | Наранбадрах | Баянзүрх ТҮК |
| 51 | 2 | 6088 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 4140 | Ганраг | Ганраг | Ганраг | Баянзүрх ТҮК |
| 52 | 2 | 6022 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 3420 | Танбаатар | Танбаатар | Танбаатар | Баянзүрх ТҮК |
| 53 | 2 | 6077 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 3420 | Сайнбодл | Сайнбодл | Сайнбодл | Баянзүрх ТҮК |
| 54 | 2 | 3254 | Баянзүрх ТҮК (Bayanzurkh TUK) | Исузу (Isuzu) | Исузу (Isuzu) | Исузу (Isuzu) | 4560 | Болдбаатар | Болдбаатар | Болдбаатар | Баянзүрх ТҮК |
| 55 | 2 | 0483 | Баянзүрх ТҮК (Bayanzurkh TUK) | Бигүү тэвшигэй (Compractor) | Бигүү тэвшигэй (Compractor) | Бигүү тэвшигэй (Compractor) | 4920 | Ариунболд | Ариунболд | Ариунболд | Баянзүрх ТҮК |
| 56 | 2 | 0686 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 4920 | Немеден | Хэнэмэдэх | Хэнэмэдэх | private waste |
| 57 | 2 | 0735 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 1750 | Амаржаргал | Амаржаргал | Амаржаргал | Gidrim company |
| 58 | 2 | 4683 | Баянзүрх ТҮК (Bayanzurkh TUK) | Бусад (others) | Бусад (others) | Бусад (others) | 2020 | Баатар | Баатар | Баатар | Gidrim company |
| 59 | 2 | 5136 | Баянзүрх ТҮК (Bayanzurkh TUK) | Бусад (others) | Бусад (others) | Бусад (others) | 4800 | Балбаатар | Балбаатар | Балбаатар | Gidrim company |
| 60 | 2 | 5362 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 3600 | Адыя | Zorigoo | Zorigoo | Баянзүрх ТҮК |
| 61 | 2 | 6072 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 5050 | Зоригтоо | Ганзориг | Ганзориг | Баянзүрх ТҮК |
| 62 | 2 | 6073 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-130 (ZIL-130) | Зил-130 (ZIL-130) | Зил-130 (ZIL-130) | 4050 | Мэнхдэлай | Монхдэлай | Монхдэлай | Баянзүрх ТҮК |
| 63 | 2 | 6078 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 3880 | Баатар | Хувь хог | Хувь хог | private waste |
| 64 | 2 | 6085 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 3800 | Мягмар | Мягмар | Мягмар | Хамгаалалт |
| 65 | 2 | 6353 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 3920 | Наранбадрах | Наранбадрах | Наранбадрах | Lham meat market |
| 66 | 2 | 7016 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 3820 | Одонмыядаг | Одонмыядаг | Одонмыядаг | Баянзүрх ТҮК |
| 67 | 2 | 8022 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | 4540 | Баянзүрх ТҮК | Баянзүрх ТҮК | Баянзүрх ТҮК | Баянзүрх ТҮК |
| 68 | 2 | 8424 | Баянзүрх ТҮК (Bayanzurkh TUK) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | Зил-554 (ZIL-554) | | | | | Bayanzurengii TUK |

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Mn | DriverName Eng | OwnerName Mn | OwnerName Eng |
|-----|---------|---------|--|-------------------|---------------------------------|-------------------|----------|-------------|---------------|------------------------|-------------------------|---------------|
| 69 | 3 | 2258 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4050 | Дүргээ | Dugree | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 70 | 3 | 7654 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4050 | Эрдэнэхишиг | Erdenekhishig | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 71 | 3 | 7938 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4050 | Баатаржав | Baatarjav | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 72 | 3 | 7964 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | | Цагаанцројж | Tsagaantsooj | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 73 | 3 | 6397 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4060 | Баттер | Battor | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 74 | 3 | 7932 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4800 | Багсурь | Batsuuri | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 75 | 3 | 3032 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 3740 | Баярсаихан | Bayarsaikhan | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 76 | 3 | 7948 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4140 | Мөнхбат | Munkhbat | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 77 | 3 | 9914 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4280 | Давасураэн | Davasuren | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 78 | 3 | 7933 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 3680 | Төмөрбаатар | Tomorbataar | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 79 | 3 | 9913 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4050 | Сэлэнгэ | Selenge | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 80 | 3 | 2257 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4540 | Батбаяр | Batbayar | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 81 | 3 | 9877 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4800 | Хатанбаатар | Khatanbaatar | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 82 | 3 | 7941 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 4460 | Юндэндорж | Yundendorj | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 83 | 3 | 9673 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Исузу (isuzu) | | | 4140 | Гүрвээ | Purvee | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 84 | 3 | 0940 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | | | 3700 | Батбаяр | Batbayar | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 85 | 3 | 1825 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | задтай (Open) | Зил-554 (ZIL-554) | 4540 | Энхбаяр | Enkhbayar | Мах импэкс компани | Makhimpeks company | |
| 86 | 3 | 1895 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 1620 | Эрдэнэ | Erdene | Хувь хог үйлдвэр | private waste | |
| 87 | 3 | 4505 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Бусад (others) | биттуу тээвчтэй (Comprastol) | Бусад (Others) | 2200 | Амраа | Amraa | Элма архинь үйлдвэр | Elma arhini uildver | |
| 88 | 3 | 4567 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Камаз (Kamaz) | задтай (Open) | Камаз (Kamaz) | 9 | hhh | hhh | hhh | hhh | |
| 89 | 3 | 5844 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-555 (ZIL-555) | задтай (Open) | Зил-555 (ZIL-555) | 4660 | Батбаяр | Batbayar | Хувь хог үйлдвэр | private waste | |
| 90 | 3 | 5911 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Зил-554 (ZIL-554) | задтай (Open) | Зил-554 (ZIL-554) | 4050 | Морио | Morio | Сонгинохайрх ан ТҮК | Songinokhaikh an TYK | |
| 91 | 3 | 6049 | Сонинжохайрхан ТҮК (Songijnokhaikant TUK) | Бусад (others) | задтай (Open) | Бусад (Others) | 1780 | Эрдэнэчимэг | Erdenechimeg | Мон Олжис | Mon Oleks | |

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Mn | DriverName Eng | OwnerName Mn | OwnerName Eng |
|-----|---------|---------|--|-------------------|---------------|-------------------|----------|--------------|---------------|--------------------|---------------------|---------------|
| 92 | 3 | 6164 | Сонинжархан ТУК (Songijnokhaikan TUK) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 3400 | Баясталан | Baysagalan | Хувь хог | private waste | |
| 93 | 3 | 7162 | Сонинжархан ТУК (Songijnokhaikan TUK) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 1660 | Лхагвасүрэн | Lkhagvasuren | Хувь хог | private waste | |
| 94 | 3 | 7384 | Сонинжархан ТУК (Songijnokhaikan TUK) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 2710 | Мөнхтэр | Monhior | МС ПС | MS PS | |
| 95 | 3 | 7942 | Сонинжархан ТУК (Songijnokhaikan TUK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4050 | Наштар | Namtar | Сонгинохайрхан ТУК | Songinokhaih an TUK | |
| 96 | 3 | 7946 | Сонинжархан ТУК (Songijnokhaikan TUK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4360 | Цагаанцоож | Tsagaantsooj | Сонгинохайрхан ТУК | Songinokhaih an TUK | |
| 97 | 3 | 8731 | Сонинжархан ТУК (Songijnokhaikan TUK) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 1800 | Чойбаатар | Choibaatar | Хувь хог | private waste | |
| 98 | 3 | 9842 | Сонинжархан ТУК (Songijnokhaikan TUK) | Зил-130 (Zil-130) | задтай (Open) | Зил-130 (Zil-130) | 77 | Чимээддорж | Chimeddorj | Өсөх импекс | Osoh Impeks | |
| 99 | 3 | 9912 | Сонинжархан ТУК (Songijnokhaikan TUK) | Зил-555 (Zil-555) | задтай (Open) | Зил-555 (Zil-555) | 4120 | Зоригтбаатар | Zorigtbaatar | Сонгинохайрхан ТУК | Songinokhaih an TUK | |
| 100 | 4 | 4930 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | 4050 | Төрмөнх | Tormonkh | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 101 | 4 | 1004 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | 4220 | Онохжаргал | Onokhjargal | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 102 | 4 | 2138 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | 4620 | Чадраабал | Chadraabai | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 103 | 4 | 5273 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | 3860 | Жадамбаа | Jadambaas | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 104 | 4 | 6896 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | 4800 | Батболд | Batbold | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 105 | 4 | 6902 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | 3800 | Гомбосүрэн | Gombosuren | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 106 | 4 | 8623 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | 4100 | Цэцэндэлгэр | Tsetsendelger | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 107 | 4 | 7701 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | 3920 | Билгээ | Bilgee | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 108 | 4 | 7710 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | 4540 | Алтансүх | Altansuh | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 109 | 4 | 4838 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | | Дамдинтурэв | Damdinpurev | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 110 | 4 | 3651 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | | Цогт | Tsogt | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 111 | 4 | 6325 | Суббаатар ТУК (Sukhbaatar TUK) | Зил-554 (Zil-554) | | | | Пүрэвдорж | Purevdorj | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 112 | 4 | 7713 | Суббаатар ТУК (Sukhbaatar TUK) | M-53 (M-53) | | | 4800 | Далайхүү | Dalaikhuu | Сүхбаатар ТУК | Sukhbaatar TUK | |
| 113 | 4 | 0514 | Суббаатар ТУК (Sukhbaatar TUK) | Мягти (Mighty) | задтай (Open) | Мягти (Mighty) | 2580 | Батхүяг | Bathuyag | Гурван гап | Gurvan gal | |
| 114 | 4 | 1285 | Суббаатар ТУК (Sukhbaatar TUK) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 1400 | Хүрэлбаатар | Xurelbaatar | ҮБ Бүян XXX | UB Buyan Co., Ltd | |

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Eng | DriverName Mn | OwnerName Eng |
|-----|---------|---------|--------------------------------|-------------------|-----------------------------|-------------------|----------|-------------|----------------|------------------------|-----------------|
| 115 | 4 | 2086 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 5220 | Тунголаг | Хувь хог | private waste | |
| 116 | 4 | 2349 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Зил-555 (Zil-555) | задтай (Open) | Зил-555 (Zil-555) | 4800 | Нямаа | Нямаа | Хувь хог | private waste |
| 117 | 4 | 2816 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Бусад (others) | Бусад (Others) | Бусад (Others) | 2020 | Пүрэвжав | Purevjav | Гадаад харилцааны яам | MOFA |
| 118 | 4 | 3723 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Исузу (Isuzu) | бигийн тээвчтэй (Compactor) | Исузу (Isuzu) | 2900 | Батэрдэнэ | Baterdene | Сүхбаатар ТҮК | Sukhbaatar TÜK |
| 119 | 4 | 3725 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Исузу (Isuzu) | бигийн тээвчтэй (Compactor) | Исузу (Isuzu) | 3280 | Эрхэмбаяр | Eriembayar | СБД Зам талбай | Sukhbaatar TÜK |
| 120 | 4 | 3964 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Камаз (Kamaz) | задтай (Open) | Камаз (Kamaz) | 8640 | Лхагвасурэн | Lhagvasuren | Хөөөтэй компани | Нууцои со |
| 121 | 4 | 4205 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Зил-130 (Zil-130) | задтай (Open) | Зил-130 (Zil-130) | 5420 | Баатар | Baatar | Сүхбаатар ТҮК | Sukhbaatar TÜK |
| 122 | 4 | 4461 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 1900 | Хишигжаргал | Khishigjargal | Эрхэс трэйд | Erkhet treid |
| 123 | 4 | 4888 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Камаз (Kamaz) | ????? (Others) | Зил-554 (Zil-554) | 9 | Балжаргал | batjargal | хар | khar |
| 124 | 4 | 4938 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 3840 | Дамдинтуяа | Damdinpurev | Сүхбаатар ТҮК | Sukhbaatar TÜK |
| 125 | 4 | 6103 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4800 | Баяртготх | Bayartgtoh | Сүхбаатар ТҮК | Sukhbaatar TÜK |
| 126 | 4 | 6426 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | КО-450 (KO-450) | задтай (Open) | КО-450 (KO-450) | 4480 | Баярсхайн | Bayarsaihan | Сүхбаатар ТҮК | Sukhbaatar TÜK |
| 127 | 4 | 6427 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | КО-450 (KO-450) | задтай (Open) | КО-450 (KO-450) | 5320 | Тсамбајав | Tsambajav | Гадаад Харилцааны яам | MOFA |
| 128 | 4 | 6838 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Зил-130 (Zil-130) | задтай (Open) | Зил-130 (Zil-130) | 4260 | Мөнхжав | Bonijav | Гадаад Харилцааны яам | MOFA |
| 129 | 4 | 6901 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4900 | Баярбат | Bayarbat | Буюн компани | Buyun company |
| 130 | 4 | 7281 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Бусад (others) | бигийн тээвчтэй (Compactor) | Бусад (Others) | 3280 | Наранбат | Naranbat | Зыг Заг засварын газар | Zig Zag repairs |
| 131 | 4 | 8863 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4540 | Төрмөнх | Tormonh | Баянзүрх ТҮК | Bayanzurengüük |
| 132 | 4 | 9349 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Бусад (others) | бигийн тээвчтэй (Compactor) | Бусад (Others) | 1960 | Энхдаваа | Enhdaavaa | Мон-сам | Monsam |
| 133 | 4 | 9594 | Сүхбаатар ТҮК (Sukhbaatar TÜK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 7320 | Лхасурэн | Lhasuren | МОнгол цамхаг tsamhag | Mongol tsamhag |
| 134 | 5 | 8970 | Хан Уул ТҮК (Khan-Uul TÜK) | Исузу (Isuzu) | бигийн тээвчтэй (Compactor) | Исузу (Isuzu) | 2760 | Лхамсүрэн | Lkhamsuren | Хануул ТҮК | Khan Uul TÜK |
| 135 | 5 | 8972 | Хан Уул ТҮК (Khan-Uul TÜK) | Исузу (Isuzu) | бигийн тээвчтэй (Compactor) | Исузу (Isuzu) | 2960 | Танболд | Ganbold | Хануул ТҮК | Khan Uul TÜK |
| 136 | 5 | 5259 | Хан Уул ТҮК (Khan-Uul TÜK) | Зил-130 (Zil-130) | | | 5220 | Дамбийням | Dambiinjam | Хануул ТҮК | Khan Uul TÜK |
| 137 | 5 | 5260 | Хан Уул ТҮК (Khan-Uul TÜK) | Зил-554 (Zil-554) | | | 4200 | Шижирбаатар | Shijirbaatar | Хануул ТҮК | Khan Uul TÜK |
| 138 | 5 | 2096 | Хан Уул ТҮК (Khan-Uul TÜK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 5000 | Мягмар | Mugmar | Хувь хог | private waste |
| 139 | 5 | 3927 | Хан Уул ТҮК (Khan-Uul TÜK) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4300 | Бат-эрдэнэ | Baterdene | Эрээн | Erel |

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Mn | DriverName Eng | OwnerName Mn | OwnerName Eng |
|-----|---------|---------|--------------------------------|--------------------|--------------------------------|--------------------|------------|----------------|----------------|----------------------|-------------------|---------------|
| 140 | 5 | 3953 | Хан Уул ТҮК (Khan-Uul TUK) | TT-380 (TT-380) | задгай (Open) | TT-380 (TT-380) | 5080 | Жаргалтайхан | Jargalsainan | Гутал компани | Gutal co | |
| 141 | 5 | 5243 | Хан Уул ТҮК (Khan-Uul TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 4560 | Түмэнбаяр | Tumenbayar | Хан Уул ТҮК | Khan Uul TUK | |
| 142 | 5 | 5258 | Хан Уул ТҮК (Khan-Uul TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 4320 | Төмөрбаатар | Tombabaatar | Хан Уул ТҮК | Khan Uul TUK | |
| 143 | 5 | 5261 | Хан Уул ТҮК (Khan-Uul TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 5020 | Даваа | Davaa | Хан Уул ТҮК | Khan Uul TUK | |
| 144 | 5 | 6452 | Хан Уул ТҮК (Khan-Uul TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 5000 | Бусад (Others) | Busad (Others) | Хан Уул ТҮК | Khan Uul TUK | |
| 145 | 5 | 8732 | Хан Уул ТҮК (Khan-Uul TUK) | Бусад (others) | задгай (Open) | Зилт-554 (Zil-554) | 2880 | Ёндоносамбуу | Yondonsambuu | Пума | Puma | |
| 146 | 5 | 8753 | Хан Уул ТҮК (Khan-Uul TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | Болдбаатар | Болдбаатар | TETS 3 | ТЭЦ 3 | TETS 3 | |
| 147 | 5 | 8971 | Хан Уул ТҮК (Khan-Uul TUK) | Исузу (Isuzu) | битүү тэшгийэй (Compaactor) | Исузу (Isuzu) | 3800 | Алгаа | Algaas | Хан Уул ТҮК | Khan Uul TUK | |
| 148 | 5 | 9075 | Хан Уул ТҮК (Khan-Uul TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 4720 | Цэнд-аюуш | Tsendayush | ТЭЦ 3 | TETS 3 | |
| 149 | 5 | 9124 | Хан Уул ТҮК (Khan-Uul TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 4450 | Болдбаатар | Boldbaatar | Автобус 1 | Autobus 1 | |
| 150 | 5 | 9455 | Хан Уул ТҮК (Khan-Uul TUK) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 1620 | Зориг | Zorig | Хувь хог | private waste | |
| 151 | 6 | 9484 | Чингэлтэй ТҮК (Chingeltai TUK) | M-53 (M-53) | | | 4050 | Дашдондог | Dashdondog | Чингэлтэй ТҮК | Chingeltai TUK | |
| 152 | 6 | 2079 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-130 (Zil-130) | | | 4800 | Баатар | Baatar | Чингэлтэй ТҮК | Chingeltai TUK | |
| 153 | 6 | 7247 | Чингэлтэй ТҮК (Chingeltai TUK) | Исузу (Isuzu) | | | 4220 | Түвшинжартал | Tuvshinjartal | Чингэлтэй ТҮК | Chingeltai TUK | |
| 154 | 6 | 9478 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-554 (Zil-554) | | | 4220 | Базраа | Bayaraa | Чингэлтэй ТҮК | Chingeltai TUK | |
| 155 | 6 | 2821 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-554 (Zil-554) | | | 3720 | Даваадорж | Davadarj | Даваадорж | Davadarj | |
| 156 | 6 | 2600 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-554 (Zil-554) | | | 3450 | Ганбаатар | Ganbaatar | Чингэлтэй ТҮК | Chingeltai TUK | |
| 157 | 6 | 9482 | Чингэлтэй ТҮК (Chingeltai TUK) | M-53 (M-53) | | | 2240 | Хурцбилэг | Khurtsbilag | Чингэлтэй ТҮК | Chingeltai TUK | |
| 158 | 6 | 2085 | Чингэлтэй ТҮК (Chingeltai TUK) | Бусад (Others) | задгай (Open) | Бусад (Others) | 1800 | Чулгуунбат | Chuluunbat | Чингэлтэй ТҮК | Chingeltai TUK | |
| 159 | 6 | 2365 | Чингэлтэй ТҮК (Chingeltai TUK) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 3880 | Өсөхбэр | osohbayar | Хувь хүн | private person | |
| 160 | 6 | 2441 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 1760 | Ганзориг | Ganzorig | Чингэлтэй ТҮК | Chingeltai TUK | |
| 161 | 6 | 3528 | Чингэлтэй ТҮК (Chingeltai TUK) | Бусад (others) | битүү тэшгийэй (Compaactor) | Бусад (Others) | 4980 | Даваачинбуу | Davaachinbuu | Хувь хог | private waste | |
| 162 | 6 | 3566 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 3360 | Баатар | Baatar | Чингэлтэй Дүүргэг | Chingeltai TUK | |
| 163 | 6 | 4453 | Чингэлтэй ТҮК (Chingeltai TUK) | Газ-53 (Gaz-53) | задгай (Open) | M-53 (M-53) | 5200 | Баярсхайн | Bayersain | Хувь хог | private waste | |
| 164 | 6 | 4589 | Чингэлтэй ТҮК (Chingeltai TUK) | Магти (Mighty) | задгай (Open) | Магти (Mighty) | 4180 | Батцэрэн | Batsuren | Шонхор зах | Shonhor market | |
| 165 | 6 | 6135 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 3540 | Адяяа | Adya | Чингэлтэй ТҮК | Chingeltai TUK | |
| 166 | 6 | 7215 | Чингэлтэй ТҮК (Chingeltai TUK) | Бусад (others) | задгай (Open) | Бусад (Others) | 3240 | Ганбаяр | Ganbayar | Чингэлтэй ТҮК | Chingeltai TUK | |
| 167 | 6 | 7245 | Чингэлтэй ТҮК (Chingeltai TUK) | Исузу (Isuzu) | битүү тэшгийэй (Compaactor) | Исузу (Isuzu) | 3420 | Түвшинжартал | Tuvshinjartal | Хувь хог | private waste | |
| 168 | 6 | 7246 | Чингэлтэй ТҮК (Chingeltai TUK) | Исузу (Isuzu) | битүү тэшгийэй (Compaactor) | Исузу (Isuzu) | 3840 | Батхүяг | Bathuyag | Чингэлтэй | Chingeltai TUK | |
| 169 | 6 | 7507 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 1580 | Багболд | Batbold | Чингэлтэй ТҮК | Chingeltai TUK | |
| 170 | 6 | 8489 | Чингэлтэй ТҮК (Chingeltai TUK) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 3540 | Цэрэнбат | Tserenbat | Гэр хороо | ger khoro | |
| 171 | 6 | 9437 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 4020 | Хургаа | Hurgaas | Чингэлтэй ТҮК | Chingeltai TUK | |
| 172 | 6 | 9471 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-554 (Zil-554) | задгай (Open) | Исузу (Isuzu) | 4050 | Бүянт | Buyant | Чингэлтэй ТҮК | Chingeltai TUK | |
| 173 | 6 | 9473 | Чингэлтэй ТҮК (Chingeltai TUK) | Зилт-554 (Zil-554) | задгай (Open) | Зилт-554 (Zil-554) | 4050 | Одгэрэл | Odgerel | Чингэлтэй ТҮК | Chingeltai TUK | |
| 174 | 6 | 9476 | Чингэлтэй ТҮК (Chingeltai TUK) | M-53 (M-53) | битүү тэшгийэй (Compaactor) | M-53 (M-53) | 4050 | Басандорж | Basandorj | Чингэлтэй ТҮК | Chingeltai TUK | |
| 175 | 7 | 8769 | Хувийн (Private) | Зилт-554 (Zil-554) | | | 4050 | Даваа | Davaa | Нарантуул зах | Narantruul Market | |

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Mn | DriverName Eng | OwnerName Mn | OwnerName Eng |
|-----|---------|---------|------------------|--------------------|-----------------------------|--------------------|----------|---------------|---------------|-------------------------------|---|---------------|
| 176 | 7 | 8712 | Хувийн (Private) | Зилт-554 (Zil-554) | | | 4050 | Эрдэнэбат | Erdenebat | Мон зах | Mon-Zakh | |
| 177 | 7 | 3511 | Хувийн (Private) | Зилт-554 (Zil-554) | | | 4440 | Чинбат | Chinbat | Барс зах | Bars market | |
| 178 | 7 | 6797 | Хувийн (Private) | Зилт-554 (Zil-554) | | | 6020 | Ганболд | Ganbold | АПУ | APU | |
| 179 | 7 | 2831 | Хувийн (Private) | Зилт-554 (Zil-554) | | | 4700 | Гомбожав | Gombojav | АПУ | APU | |
| 180 | 7 | 4218 | Хувийн (Private) | Зилт-130 (Zil-130) | | | 3860 | Жамбандорж | Jambaldorj | Төмөр замын зогсойл 2 | Railway Station No.2 | |
| 181 | 7 | 7698 | Хувийн (Private) | Зилт-554 (Zil-554) | | | 4320 | Цэцэнхүү | Tsetsenhuu | MCS Конштрақшин | MSC Construction | |
| 182 | 7 | 5332 | Хувийн (Private) | Зилт-555 (Zil-555) | | | 4800 | Баасангуран | Baasanetur | Төмөр замын засврын цех | Railway Workshop | |
| 183 | 7 | 3504 | Хувийн (Private) | ТТ-380 (TT-380) | | | 1760 | Огтон | Otgon | Мон төмөр замын засврын цех | Mon Railway Workshop | |
| 184 | 7 | 1210 | Хувийн (Private) | Зилт-554 (Zil-554) | | | 4850 | Доржбат | Dorjbat | Хархорин зах | Kharkhorin Market | |
| 185 | 7 | 8754 | Хувийн (Private) | Зилт-554 (Zil-554) | | | 4800 | Болдбаатар | Boldbaatar | ДЦС № 3 | Thermopower Station no.3 | |
| 186 | 7 | 7390 | Хувийн (Private) | Зилт-554 (Zil-554) | | | 4800 | Шагдарсурэн | Shagdarsuren | ДЦС № 3 | Thermopower Station No.3 | |
| 187 | 7 | 8625 | Хувийн (Private) | Ниссан (Nissan) | | | 4800 | Энхтайван | Enkhtaiwan | Хүчтэй шонхор зах | Khuchitsionkho r Market | |
| 188 | 7 | 9630 | Хувийн (Private) | Камаз (Kamaz) | | | 4800 | Цэмбэл | Tsembele | Төмөр замын ачиж буулгах аяги | Loading and Unloading Department of Railway | |
| 189 | 7 | 1835 | Хувийн (Private) | Зилт-554 (Zil-554) | | | 4800 | Энхбаяр | Enkhbayar | Мах Импекс | Max Impex | |
| 190 | 7 | 0225 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1700 | Даваадорж | Davaadorj | Хувь хог | private waste | |
| 191 | 7 | 0372 | Хувийн (Private) | Зилт-554 (Zil-554) | задгай (Oreip) | Зилт-554 (Zil-554) | 4400 | Лодон | Lodon | Хувь хог | private waste | |
| 192 | 7 | 0496 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1400 | Енххат | Enkhhat | private waste | private waste | |
| 193 | 7 | 0619 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 2020 | Баяраа | Bayaraa | Хувь хог | private waste | |
| 194 | 7 | 0792 | Хувийн (Private) | Зилт-130 (Zil-130) | задгай (Oreip) | Зилт-130 (Zil-130) | 4500 | Тунгалаг | Tungalag | Хувь хог | private waste | |
| 195 | 7 | 0793 | Хувийн (Private) | Зилт-555 (Zil-555) | задгай (Oreip) | Зилт-555 (Zil-555) | 4800 | Энхбаяр | Enkhbayar | Хувийн Private | private waste | |
| 196 | 7 | 1230 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1700 | Ганхуяг | Ganhuayag | Хувь хог | private waste | |
| 197 | 7 | 1473 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1890 | Багтар | Battar | Хувь хог | private waste | |
| 198 | 7 | 1683 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1860 | Баасандорж | Baasandorj | Хувь хог | private waste | |
| 199 | 7 | 2334 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1440 | Нямлаа | Nymala | Хувь хог | private waste | |
| 200 | 7 | 2903 | Хувийн (Private) | Бусад (others) | биттуу тэвчтэй (Comprastor) | Бусад (Others) | 1320 | Мөнхэрдэнэ | Monherdene | Хувь хог | private waste | |
| 201 | 7 | 3006 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1440 | Зоригт баатар | Zorigt baatar | Хувь хог | private waste | |
| 202 | 7 | 3067 | Хувийн (Private) | Зилт-130 (Zil-130) | задгай (Oreip) | Зилт-130 (Zil-130) | 3280 | Энхбаяр | Enkhbayar | Хувь хог | private waste | |
| 203 | 7 | 3479 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1440 | Алтантуяга | Altantuya | Хувь хог | private waste | |
| 204 | 7 | 3632 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1900 | Цотоо | Tsogoo | Хувь хог | private waste | |
| 205 | 7 | 3724 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1640 | Батхүү | Batihu | Монцорт | Monfort | |
| 206 | 7 | 4067 | Хувийн (Private) | Бонго (Bongo) | задгай (Oreip) | Бонго (Bongo) | 1900 | Алтанбаатар | Altanbaatar | Хувь хог | private waste | |

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Mn | DriverName Eng | OwnerName Mn | OwnerName Eng |
|-----|---------|---------|----------------------------|-------------------|---------------------------|-------------------|----------|--------------|---------------|----------------|---------------|----------------------------|
| 207 | 7 | 4191 | Хувийн (Private) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 5000 | Дорж | Хувь хог | Dorj | Хувь хог | private waste |
| 208 | 7 | 4264 | Хувийн (Private) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4800 | Алтанхуяг | Хувь хог | Altanhuyg | Хувь хог | private waste |
| 209 | 7 | 4279 | Хувийн (Private) | Маяти (Mighty) | задгай (Open) | Маяти (Mighty) | 2240 | | | Munkhbat | Хувь хог | private waste |
| 210 | 7 | 4312 | Хувийн (Private) | Бусад (others) | задгай (Open) | Бусад (Others) | 2450 | Гэрэл | Хувь хог | Gerel | Хувь хог | private waste |
| 211 | 7 | 4315 | Хувийн (Private) | Ниссан (Nissan) | задгай (Open) | Ниссан (Nissan) | 2860 | Гэрэл | Хувь хог | Gerel | Хувь хог | private waste |
| 212 | 7 | 4601 | Хувийн (Private) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 1400 | Болдбаатар | Хувь хог | Bolbaatar | Хувь хог | private waste |
| 213 | 7 | 4853 | Хувийн (Private) | Камаз (Kamaz) | задгай (Open) | Камаз (Kamaz) | 7980 | Мэндбаяр | Худ Орон сүүц | Mendbayar | Худ Орон сүүц | KHUD apartment |
| 214 | 7 | 4906 | Хувийн (Private) | Бусад (others) | задгай (Open) | Бусад (Others) | | Дашдорж | Хувь хог | Dashdorj | Хувь хог | private waste |
| 215 | 7 | 5177 | Хувийн (Private) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 1580 | Гантомор | Хувь хог | Gantomor | Хувь хог | private waste |
| 216 | 7 | 5524 | Хувийн (Private) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 1620 | Пүрэвдорж | Хувь хог | Purevdorj | Хувь хог | private waste |
| 217 | 7 | 5747 | Хувийн (Private) | Ниссан (Nissan) | задгай (Open) | Ниссан (Nissan) | 2020 | Батзориг | Хувь хог | Batzorig | Хувь хог | private waste |
| 218 | 7 | 5764 | Хувийн (Private) | Бусад (others) | задгай (Open) | Бусад (Others) | | Төмөрочиж | Хувь хог | Tomorochir | Хувь хог | private waste |
| 219 | 7 | 6034 | Хувийн (Private) | Бусад (others) | задгай (Open) | Бусад (Others) | 700 | Баг-Эрдэнэ | Хувь хог | Bat-Erdene | Хувь хог | private waste |
| 220 | 7 | 6347 | Хувийн (Private) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 1220 | Дорж | Хувь хог | Dorj | Хувь хог | private waste |
| 221 | 7 | 6581 | Хувийн (Private) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4020 | Бик | Хороо | Bik | Хороо | Khoroo |
| 222 | 7 | 6584 | Хувийн (Private) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4540 | Пүрэвдорж | Хувь хог | Purevdorj | Хувь хог | private waste |
| 223 | 7 | 7393 | Хувийн (Private) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 1580 | Нурзэд | Хувь хог | Nurzed | Хувь хог | private waste |
| 224 | 7 | 7445 | Хувийн (Private) | Зил-555 (Zil-555) | задгай (Open) | Зил-555 (Zil-555) | 5020 | Гарамсэд | Хувь хог | Garamsd | Хувь хог | Suhbaatar khoro |
| 225 | 7 | 7765 | Хувийн (Private) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 2200 | Багболд | Хувь хог | Batbold | Хувь хог | private waste |
| 226 | 7 | 8028 | Хувийн (Private) | Бонго (Bongo) | бичүү тэвший (Compractor) | Бонго (Bongo) | 2100 | Наранбаатар | Хувь хог | Naranbaatar | Хувь хог | private waste |
| 227 | 7 | 8106 | Хувийн (Private) | Уаз (Uaz) | бичүү тэвший (Compractor) | Уаз (Uaz) | 1960 | Амарсайхан | Хувь хог | Amarsaihan | Хувь хог | private waste |
| 228 | 7 | 8374 | Хувийн (Private) | | | | 1600 | Юра | | | | |
| 229 | 7 | 8896 | Хувийн (Private) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 2220 | Барсайхан | Хувь хог | Bayarsaihan | Хувь хог | private waste |
| 230 | 7 | 8920 | Хувийн (Private) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 2020 | Баараа | Хувь хог | Bayaraa | Хувь хог | private waste |
| 231 | 7 | 9441 | Хувийн (Private) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4800 | Даваа | Хувь хог | Davaa | Хувь хог | private waste |
| 232 | 7 | 9542 | Хувийн (Private) | Зил-130 (Zil-130) | задгай (Open) | Зил-130 (Zil-130) | 3020 | Баатар | Хувь хог | Baatar | Хувь хог | Suhbaatar TUK |
| 233 | 7 | 9584 | Хувийн (Private) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4800 | Батэрэнэ | Хувь хог | Baterene | Хувь хог | private waste |
| 234 | 7 | 9690 | Хувийн (Private) | Бусад (others) | бичүү тэвший (Compractor) | Бусад (Others) | | Батдэгэр | Хувь хог | Batdager | Хувь хог | private waste |
| 235 | 7 | 9952 | Хувийн (Private) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | | Цогчыаг | Хувь хог | Tsogchyaag | Хувь хог | private person |
| 236 | 8 | 0146 | Албан газар (Organization) | Газ-53 (Gaz-53) | задгай (Open) | Газ-53 (Gaz-53) | 3500 | | | Dorj | | Russian embassy |
| 237 | 8 | 0161 | Албан газар (Organization) | Зил-555 (Zil-555) | задгай (Open) | Зил-555 (Zil-555) | 4050 | Баг | Хувь хог | Bat | Хувь хог | border force 0288 division |
| 238 | 8 | 0176 | Албан газар (Organization) | Зил-130 (Zil-130) | задгай (Open) | Зил-130 (Zil-130) | 5020 | Зоо | Хувь хог | Zoo | Хувь хог | Bilon |
| 239 | 8 | 0217 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4400 | Ганбаатар | Хувь хог | Ganbaatar | Хувь хог | Nairamdal camp |
| 240 | 8 | 0278 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4340 | Эрнэбаяар | Хувь хог | Erdenebayar | Хувь хог | Hangai market |
| 241 | 8 | 0286 | Албан газар (Organization) | Зил-130 (Zil-130) | задгай (Open) | Зил-130 (Zil-130) | 3540 | Дэлгэрсайхан | Хувь хог | Delgersaihan | Хувь хог | NZDTGABAaz |

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Mn | DriverName Eng | OwnerName Mn | OwnerName Eng |
|-----|---------|---------|----------------------------|-------------------|---------------------------|-------------------|----------|-------------|---------------|--------------------------|--------------------------------|---------------|
| 242 | 8 | 0309 | Албан газар (Organization) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 6340 | Баараа | Bayaraa | Гангар Инвест | Gangar Invest co | |
| 243 | 8 | 0318 | Албан газар (Organization) | Зил-555 (Zil-555) | задтай (Open) | Зил-555 (Zil-555) | 4600 | | | Нкүрэйнүүг | Police Department 5th division | |
| 244 | 8 | 0347 | Албан газар (Organization) | Камаз (Kamaz) | задтай (Open) | Камаз (Kamaz) | 6500 | Батбаяр | Batbayar | Жигүүр гранд ХХК | Jiguur Grand | |
| 245 | 8 | 0348 | Албан газар (Organization) | Камаз (Kamaz) | задтай (Open) | Камаз (Kamaz) | 7080 | Лувсандорж | Iuv sandorj | Жигүүр гранд ХХК | Jiguur Grand co | |
| 246 | 8 | 0361 | Албан газар (Organization) | Зил-555 (Zil-555) | задтай (Open) | Зил-555 (Zil-555) | 3420 | Өлзийбат | Olbibat | Засгийн газрын авто база | Government Garage | |
| 247 | 8 | 0577 | Албан газар (Organization) | Бонго (Bongo) | битүү тэвштэй (Compaсtor) | Бонго (Bongo) | 1850 | Амраа | Amraa | Хорог цагаан | Horog tsagaan | |
| 248 | 8 | 0858 | Албан газар (Organization) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4050 | Бямбадорж | Byambadorj | Цагдааны хэлтэс | Tsagdagijn heles CO. | |
| 249 | 8 | 0864 | Албан газар (Organization) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4800 | Нармандах | Narmandah | ЦЕГазар | Police Department | |
| 250 | 8 | 0903 | Албан газар (Organization) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4560 | Цоого | Tsogoо | Гангар инвест | Gangar invest co | |
| 251 | 8 | 1003 | Албан газар (Organization) | Газ-53 (Gaz-53) | задтай (Open) | Газ-53 (Gaz-53) | 2800 | hhh | hhh | hhh | hhh | |
| 252 | 8 | 1126 | Албан газар (Organization) | КО-440 (KO-440) | битүү тэвштэй (Compaсtor) | КО-440 (KO-440) | 3600 | Жамсран | Jamsran | Алтай дорнод | Altai Dornod | |
| 253 | 8 | 1234 | Албан газар (Organization) | Ниссан (Nissan) | битүү тэвштэй (Compaсtor) | Ниссан (Nissan) | 9 | тото | тото | тото | тото | |
| 254 | 8 | 1385 | Албан газар (Organization) | Зил-130 (Zil-130) | задтай (Open) | Зил-130 (Zil-130) | 4600 | | | Окыаби | Odkoh co | |
| 255 | 8 | 1422 | Албан газар (Organization) | Зил-130 (Zil-130) | задтай (Open) | Зил-130 (Zil-130) | 4340 | Батхүяг | Batkhuyag | Мон тулга ком | Mon tulga co | |
| 256 | 8 | 1469 | Албан газар (Organization) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4720 | Мэдэр | Meder | Пума канстракшинь | Puma construction | |
| 257 | 8 | 1784 | Албан газар (Organization) | Исузу (Isuzu) | битүү тэвштэй (Compaсtor) | Исузу (Isuzu) | 4920 | Шижирээ | Shijiree | Хануул ТУК | Khan Uul TUK | |
| 258 | 8 | 1824 | Албан газар (Organization) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 1450 | Баяржаргал | Bauarjargal | Сүхбаатар хороо | suhibaatar khoro | |
| 259 | 8 | 2094 | Албан газар (Organization) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 5000 | Мөнхбаатар | | Моньцол цонх ХХК | Monpol window Co., Ltd | |
| 260 | 8 | 2209 | Албан газар (Organization) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 1680 | Баттулга | Battulga | Бат уйлс | Bat uils | |
| 261 | 8 | 2278 | Албан газар (Organization) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4600 | Ганхуяг | Gankhuug | Хурд Компани | Khurd co | |
| 262 | 8 | 2408 | Албан газар (Organization) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 4600 | Чулуундорж | Vhuluundorj | Хангай зах | Hangai market | |
| 263 | 8 | 2543 | Албан газар (Organization) | Зил-554 (Zil-554) | задтай (Open) | Зил-554 (Zil-554) | 0 | Баасан | Baasan | Ц.Т.компани | Ts.T.co | |
| 264 | 8 | 2567 | Албан газар (Organization) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 2020 | Огтонбаатар | Otgonbaatar | Цээжин ХХК | Tseejin CO., | |
| 265 | 8 | 2792 | Албан газар (Organization) | Ниссан (Nissan) | задтай (Open) | Ниссан (Nissan) | 1980 | Бямбадаваа | Byambadavaa | Алтан Тария | Altan Taria | |
| 266 | 8 | 2902 | Албан газар (Organization) | Бонго (Bongo) | битүү тэвштэй (Compaсtor) | Бонго (Bongo) | 2800 | Мөнхэрдэнэ | Munkherdene | Засгийн газрын авто база | Government Garage | |
| 267 | 8 | 2978 | Албан газар (Organization) | КО-450 (KO-450) | задтай (Open) | Зил-554 (Zil-554) | 4820 | Болд | Bold | Талх чихэр | Talх chihеr | |
| 268 | 8 | 3334 | Албан газар (Organization) | Бонго (Bongo) | задтай (Open) | Бонго (Bongo) | 1540 | Нямсүрэн | Nyamsuren | Тэргүүн трайд ХХК | Tergүүn triyd CO. | |

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Eng | DriverName Mn | OwnerName Eng |
|-----|---------|---------|----------------------------|-------------------|----------------------------|-------------------|----------|---------------|----------------|--------------------|---------------------------------------|
| 269 | 8 | 3468 | Албан газар (Organization) | Зил-130 (Zil-130) | задгай (Open) | Зил-130 (Zil-130) | 4580 | Батбаатар | Batbaatar | Ширээчүүлүт ХХК | Shireechuluut CO., Atarunguu Co., Ltd |
| 270 | 8 | 3741 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4580 | Чинбат | Chinbat | Атар өргөө | Fushri holding |
| 271 | 8 | 3873 | Албан газар (Organization) | Зил-555 (Zil-555) | задгай (Open) | Зил-555 (Zil-555) | 4800 | Амраа | Amraa | Фүчери холдинг | |
| 272 | 8 | 4261 | Албан газар (Organization) | Бусад (others) | бигүү тэвшигэй (Compaсtor) | Бусад (Others) | | Жүгдээрнамжил | Jugdemjil | Болор ус ХХК | Bolor us CO., |
| 273 | 8 | 4358 | Албан газар (Organization) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 1560 | Батбаатар | Batbaatar | р Эмнэлэг | Болор us CO., |
| 274 | 8 | 4458 | Албан газар (Organization) | Ниссан (Nissan) | бигүү тэвшигэй (Compaсtor) | Ниссан (Nissan) | 3050 | Энхбаатар | Enhbaatar | Хөгжлий ХХК | Hoyata CO., |
| 275 | 8 | 4563 | Албан газар (Organization) | Маяти (Mighty) | бигүү тэвшигэй (Compaсtor) | Маяти (Mighty) | 2300 | Ганбаатар | Ganbaatar | Bill Bill Khaan | Bill Bill Khaan |
| 276 | 8 | 4852 | Албан газар (Organization) | Исузу (Isuzu) | задгай (Open) | Исузу (Isuzu) | 2740 | Энхбаатар | Enhbaatar | Түяат ХХК | Tuyaat CO., |
| 277 | 8 | 5139 | Албан газар (Organization) | ТТ-380 (TT-380) | задгай (Open) | ТТ-380 (TT-380) | 1820 | Амаржартал | Amarjartal | ТЗ Гидрэм | T Z Gidrim CO., |
| 278 | 8 | 5173 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 3740 | Батгэрэв | Batgurev | Атаргерөө ХХК | Atargeroe CO., Ltd |
| 279 | 8 | 5374 | Албан газар (Organization) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | | Батбаяр | Batbayar | УБ зам засвар | UB road repair |
| 280 | 8 | 5487 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4380 | Баасанжав | Baasanjav | Чуулгант ХХК | Chuulgant CO., |
| 281 | 8 | 5528 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 3000 | Төмөрбаатар | Tomborbaatar | Хар дизайн компани | Har design company |
| 282 | 8 | 5546 | Албан газар (Organization) | Исузу (Isuzu) | задгай (Open) | Исузу (Isuzu) | 2000 | Чингүүнжав | Chinguijav | Түшээ говь | Tusnee govi co., |
| 283 | 8 | 5594 | Албан газар (Organization) | Ниссан (Nissan) | задгай (Open) | Ниссан (Nissan) | 3000 | Ганхуяг | Ganhuuag | Агаанист ХХК | Aganist CO., Ltd |
| 284 | 8 | 5728 | Албан газар (Organization) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 1800 | Мөнхжээ | Monhoo | Их оги ХХК | Ih ongi co., |
| 285 | 8 | 5751 | Албан газар (Organization) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 2800 | Энхээ | Enkhee | Сүгэйн Бүянт ХХК | Sutain Buyant co. |
| 286 | 8 | 6152 | Албан газар (Organization) | Зил-555 (Zil-555) | задгай (Open) | Зил-555 (Zil-555) | 4540 | Нямдаваа | Niamdavaa | Фүчери холдинг | Fucherri holding |
| 287 | 8 | 6187 | Албан газар (Organization) | Бонго (Bongo) | задгай (Open) | Бусад (Others) | 2200 | Сэгэнхүү | Setenhuu | Монгдун компани | Mongduun company |
| 288 | 8 | 6229 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4500 | Батчулуун | Batchuluun | Армон компани | Armon Co., Ltd |
| 289 | 8 | 6462 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4800 | Намийдорж | Namijidorj | Tsaiz market | Tsaiz market |
| 290 | 8 | 6537 | Албан газар (Organization) | Зил-130 (Zil-130) | задгай (Open) | Зил-130 (Zil-130) | 4400 | Батбаяр | Batbayar | Алтан тариа | Altan Taria |
| 291 | 8 | 7009 | Албан газар (Organization) | Зил-130 (Zil-130) | задгай (Open) | Зил-130 (Zil-130) | 3540 | Зоригтоо | Zorigoo | Зүншин компани | Zunshin company |
| 292 | 8 | 7141 | Албан газар (Organization) | Камаз (Kamaz) | задгай (Open) | Камаз (Kamaz) | 6800 | Сэнгэдорж | Sengedorj | Ганьт ХХК | Ganit CO., |
| 293 | 8 | 7182 | Албан газар (Organization) | Исузу (Isuzu) | задгай (Open) | Исузу (Isuzu) | 4200 | Олзийбаатар | Olzibaatar | НИК питровис ХХК | NIC Pitrovis CO., |
| 294 | 8 | 7221 | Албан газар (Organization) | Зил-555 (Zil-555) | задгай (Open) | Зил-555 (Zil-555) | 4800 | Амгаа | Amgaas | Фүчери холдинг | Pucherri holding |
| 295 | 8 | 7500 | Албан газар (Organization) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | 1420 | Мөнхжээ | Monhoo | ТВ5 | TV5 |
| 296 | 8 | 7514 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 6680 | | | Гангэр Ийнвест | Gangar Invest |
| 297 | 8 | 8067 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | 4420 | Баярсайхан | Bayarsaihan | Алтжин компани | Altjin Co., Ltd |

| No. | Company | TruckID | CompanyID | Truck ModelID | Truck TypeID | Truck MakerID | Capacity | Weight (kg) | DriverName Mn | DriverName Eng | OwnerName Mn | OwnerName Eng |
|-----|---------|---------|----------------------------|-------------------|---------------------------|-------------------|----------|-------------|---------------|----------------|------------------------------|------------------|
| 298 | 8 | 8160 | Албан газар (Organization) | Камаз (Kamaz) | задгай (Open) | Камаз (Kamaz) | | 12300 | Колья | Koliua | Алтай дорнод ХХК | Altai Dornod |
| 299 | 8 | 8172 | Албан газар (Organization) | Зил-555 (Zil-555) | задгай (Open) | Зил-555 (Zil-555) | | 5000 | Дашээвэг | Dashzevieg | Геологийн төв лаботорийр ххк | Geological lab |
| 300 | 8 | 8390 | Албан газар (Organization) | Зил-130 (Zil-130) | задгай (Open) | Зил-130 (Zil-130) | | 4540 | Мяндбаар | Munkhtayar | Маргад ичд | Mangad ind co |
| 301 | 8 | 8427 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | | 4140 | Зорлио | Gobi Co | Говь ХХК | Gobi Co |
| 302 | 8 | 8480 | Албан газар (Organization) | Камаз (Kamaz) | задгай (Open) | Камаз (Kamaz) | | 7200 | Баярсайхан | Bauarsaihan | Строй инвест | Stroi invest |
| 303 | 8 | 8816 | Албан газар (Organization) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | | 1760 | Түвшин | Tuvshin | Гандан хийд | Gandan Temple |
| 304 | 8 | 8827 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | | 3800 | Гарав-Очир | | Таван богд | Tavanbogd Co |
| 305 | 8 | 9216 | Албан газар (Organization) | Зил-130 (Zil-130) | задгай (Open) | Зил-130 (Zil-130) | | 3980 | Энхээ | Enhee | Хүнс тээвэр ХХК | Huns teever CO., |
| 306 | 8 | 9231 | Албан газар (Organization) | Зил-555 (Zil-555) | задгай (Open) | Зил-555 (Zil-555) | | 4800 | Ганболд | Ganbold | Давшил трэйд | Davshil treid |
| 307 | 8 | 9271 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | | 3820 | Хаэнхэрваа | | Буурал гол | Buural gol |
| 308 | 8 | 9413 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | | 3520 | Баярхүү | | Булгаар ХХК | Bulgaar CO., |
| 309 | 8 | 9415 | Албан газар (Organization) | Зил-555 (Zil-555) | задгай (Open) | Зил-555 (Zil-555) | | 4240 | Дамбасурэн | Dambasuren | Арилдий ком | Aridii Co., Ltd |
| 310 | 8 | 9417 | Албан газар (Organization) | Бусад (Others) | задгай (Open) | Бусад (Others) | | 1980 | Сумыа | Sumiya | Эм Си Эс ХХК | MCS Co., Ltd |
| 311 | 8 | 9549 | Албан газар (Organization) | Зил-554 (Zil-554) | задгай (Open) | Зил-554 (Zil-554) | | 4580 | Мөнхсүх | Munkhsuh | NJ компани | NJ company |
| 312 | 8 | 9592 | Албан газар (Organization) | Бусад (Others) | биттуу тэвцэй (Compactor) | Бусад (Others) | | 3420 | Энххишиг | Enhhishig | Таванбогд CO., | Tavanbogd CO., |
| 313 | 8 | 9705 | Албан газар (Organization) | Газ-53 (Gaz-53) | задгай (Open) | Газ-53 (Gaz-53) | | 3120 | Содном | Sodnom | Цирк | Circus |
| 314 | 8 | 9807 | Албан газар (Organization) | Ниссан (Nissan) | задгай (Open) | Ниссан (Nissan) | | 1940 | Шообдор | Shoobdar | Хувь хог | private waste |
| 315 | 8 | 9836 | Албан газар (Organization) | Бонго (Bongo) | задгай (Open) | Бонго (Bongo) | | 1760 | Энхбат | Enkhbat | ААББ компани | AABB Co., Ltd |
| 316 | 9 | 3659 | Бусад (Others) | Ниссан (Nissan) | задгай (Open) | Ниссан (Nissan) | | 2240 | Лхагвасурэн | Lhagvasuren | Энх-эсэн | Enh-esen |

2 Pilot Projects

2.1 Raising Public Consciousness on Waste Issues (Result of Baseline Survey)

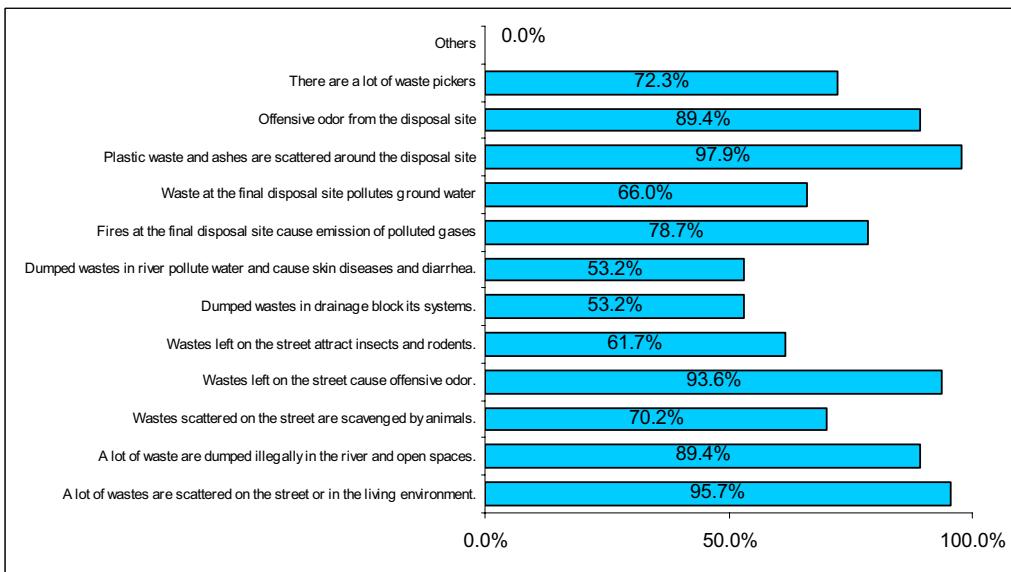
2.1.1 Interview Survey of Local Residents in Khoroo 4

Q1a In Khoroo 4, are there any problems caused by improper waste management?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Yes | 10 | 90.9% | 13 | 100.0% | 24 | 100.0% | 47 | 97.9% |
| No | 1 | 9.1% | 0 | 0.0% | 0 | 0.0% | 1 | 2.1% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q1b In Khoroo 4, what kinds of problems are there now?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| A lot of wastes are scattered on the street or in the living environment. | 10 | 100.0% | 12 | 92.3% | 23 | 95.8% | 45 | 95.7% |
| A lot of waste are dumped illegally in the river and open spaces. | 8 | 80.0% | 12 | 92.3% | 22 | 91.7% | 42 | 89.4% |
| Wastes scattered on the street are scavenged by animals. | 4 | 40.0% | 12 | 92.3% | 17 | 70.8% | 33 | 70.2% |
| Wastes left on the street cause offensive odor. | 7 | 70.0% | 13 | 100.0% | 24 | 100.0% | 44 | 93.6% |
| Wastes left on the street attract insects and rodents. | 4 | 40.0% | 9 | 69.2% | 16 | 66.7% | 29 | 61.7% |
| Dumped wastes in drainage block its systems. | 3 | 30.0% | 9 | 69.2% | 13 | 54.2% | 25 | 53.2% |
| Dumped wastes in river pollute water and cause skin diseases and diarrhea. | 2 | 20.0% | 8 | 61.5% | 15 | 62.5% | 25 | 53.2% |
| Fires at the final disposal site cause emission of polluted gases | 7 | 70.0% | 10 | 76.9% | 20 | 83.3% | 37 | 78.7% |
| Waste at the final disposal site pollutes ground water | 4 | 40.0% | 10 | 76.9% | 17 | 70.8% | 31 | 66.0% |
| Plastic waste and ashes are scattered around the disposal site | 10 | 100.0% | 13 | 100.0% | 23 | 95.8% | 46 | 97.9% |
| Offensive odor from the disposal site | 8 | 80.0% | 12 | 92.3% | 22 | 91.7% | 42 | 89.4% |
| There are a lot of waste pickers | 6 | 60.0% | 12 | 92.3% | 16 | 66.7% | 34 | 72.3% |
| Others | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| total | 10 | 100.0% | 13 | 100.0% | 24 | 100.0% | 47 | 100.0% |



Q2a How do you store kitchen waste at your house?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| In a plastic/paper/cement bag inside the house | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| In a container inside the house | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| In a plastic/paper/cement bag outside the house | 0 | 0.0% | 2 | 15.4% | 1 | 4.2% | 3 | 6.3% |
| In a container outside the house | 11 | 100.0% | 11 | 84.6% | 23 | 95.8% | 45 | 93.8% |
| On the ground outside | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| other | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q2b How do you store coal/wood ash at your house?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| In a bag/container separated from kitchen waste | 9 | 81.8% | 4 | 30.8% | 13 | 54.2% | 26 | 54.2% |
| In a bag/container with kitchen waste | 2 | 18.2% | 9 | 69.2% | 11 | 45.8% | 22 | 45.8% |
| Others | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q2c Do you burn the waste generated in your house at the stove?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|-------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| yes | 3 | 27.3% | 2 | 15.4% | 4 | 16.7% | 9 | 18.8% |
| No | 8 | 72.7% | 11 | 84.6% | 20 | 83.3% | 39 | 81.3% |
| Total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q2d What kinds of waste do you burn there? Please select all that are burned at the stove.

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| kitchen waste | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| paper waste | 3 | 100.0% | 2 | 100.0% | 4 | 100.0% | 9 | 100.0% |
| plastic waste | 1 | 33.3% | 1 | 50.0% | 3 | 75.0% | 5 | 55.6% |
| Others | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Total | 3 | 100.0% | 2 | 100.0% | 4 | 100.0% | 9 | 100.0% |

Q2e Do you have problems in storing waste at home?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|-------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| yes | 11 | 100.0% | 13 | 100.0% | 23 | 95.8% | 47 | 97.9% |
| No | 0 | 0.0% | 0 | 0.0% | 1 | 4.2% | 1 | 2.1% |
| Total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

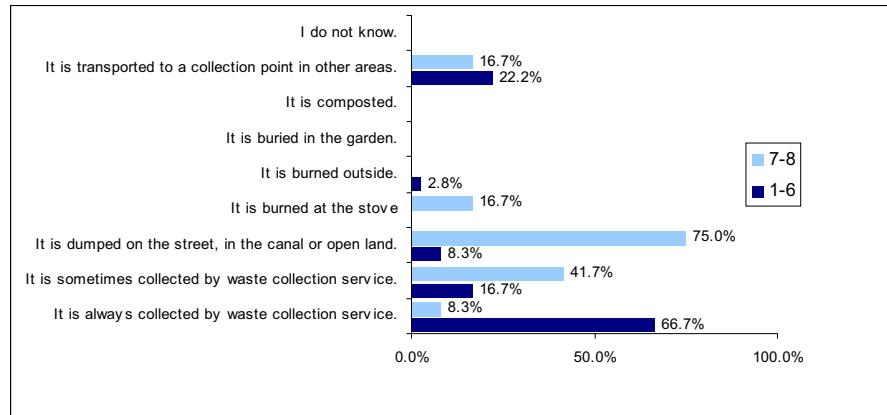
Q2f What kinds of problems do you face?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--------------------------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| decay and bad smell | 7 | 63.6% | 7 | 53.8% | 15 | 65.2% | 29 | 61.7% |
| breeding of vermin | 4 | 36.4% | 2 | 15.4% | 6 | 25.0% | 12 | 25.5% |
| scavenged by animals | 2 | 18.2% | 4 | 30.8% | 6 | 25.0% | 12 | 25.5% |
| scattered waste | 1 | 9.1% | 3 | 23.1% | 7 | 29.2% | 11 | 23.4% |
| difficulty of storing waste | 1 | 9.1% | 0 | 0.0% | 1 | 4.2% | 2 | 4.3% |
| negative impact on environment | 0 | 0.0% | 2 | 15.4% | 0 | 0.0% | 2 | 4.3% |
| difficulty of loading waste | 0 | 0.0% | 1 | 7.7% | 0 | 0.0% | 1 | 2.1% |
| total | 11 | 100.0% | 13 | 100.0% | 23 | 100.0% | 47 | 100.0% |

Q3a How is your waste disposed of? Please select **all** that you do in your daily life.

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--|------|-------|------|-------|------|-------|-------|-------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| It is always collected by waste collection service. | 9 | 81.8% | 9 | 69.2% | 7 | 29.2% | 25 | 52.1% |
| It is sometimes collected by waste collection service. | 2 | 18.2% | 1 | 7.7% | 8 | 33.3% | 11 | 22.9% |
| It is dumped on the street, in the canal or open land. | 0 | 0.0% | 1 | 7.7% | 11 | 45.8% | 12 | 25.0% |

| | | | | | | | | |
|---|----|--------|----|--------|----|--------|----|--------|
| It is burned at the stove | 0 | 0.0% | 0 | 0.0% | 2 | 8.3% | 2 | 4.2% |
| It is burned outside. | 0 | 0.0% | 1 | 7.7% | 0 | 0.0% | 1 | 2.1% |
| It is buried in the garden. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| It is composted. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| It is transported to a collection point in other areas. | 2 | 18.2% | 2 | 15.4% | 6 | 25.0% | 10 | 20.8% |
| I do not know. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |



Q4a Do you know the schedule of the collection day?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|-------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Yes | 2 | 18.2% | 1 | 10.0% | 0 | 0.0% | 3 | 8.3% |
| no | 9 | 81.8% | 9 | 90.0% | 15 | 100.0% | 33 | 91.7% |
| total | 11 | 100.0% | 10 | 100.0% | 15 | 100.0% | 36 | 100.0% |

Q4b What is the frequency? (per month)

| Summer | 1-2 | | 3-4 | | 5-8 | | total | |
|-------------------------|------|--------|------|--------|------|-------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| once a month | 1 | 50.0% | 0 | 0.0% | 0 | 0.0% | 1 | 33.3% |
| twice a month | 0 | 0.0% | 1 | 100.0% | 0 | 0.0% | 1 | 33.3% |
| once every second month | 1 | 50.0% | 0 | 0.0% | 0 | 0.0% | 1 | 33.3% |
| Irregular | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Other | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Total | 2 | 100.0% | 1 | 100.0% | 0 | 0.0% | 3 | 100.0% |

| Winter | 1-2 | | 3-4 | | 5-8 | | total | |
|-------------------------|------|--------|------|--------|------|-------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| once a month | 1 | 50.0% | 0 | 0.0% | 0 | 0.0% | 1 | 33.3% |
| twice a month | 1 | 50.0% | 1 | 100.0% | 0 | 0.0% | 2 | 66.7% |
| once every second month | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Irregular | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Other | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Total | 2 | 100.0% | 1 | 100.0% | 0 | 0.0% | 3 | 100.0% |

Q4c How do you think about the quality of the current collection service?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Long interval of time between 2 services | 5 | 45.5% | 0 | 0.0% | 0 | 0.0% | 5 | 13.9% |
| Bad service | 6 | 54.5% | 6 | 60.0% | 12 | 80.0% | 24 | 66.7% |
| not bad | 1 | 9.1% | 0 | 0.0% | 0 | 0.0% | 1 | 2.8% |
| The collection service is good | 1 | 9.1% | 1 | 10.0% | 0 | 0.0% | 2 | 5.6% |
| Irregular | 3 | 27.3% | 3 | 30.0% | 2 | 13.3% | 8 | 22.2% |
| No device to load the heavy ash | 0 | 0.0% | 1 | 10.0% | 2 | 13.3% | 3 | 8.3% |
| Expensive fee | 1 | 9.1% | 1 | 10.0% | 0 | 0.0% | 2 | 5.6% |
| Total | 11 | 100.0% | 10 | 100.0% | 15 | 100.0% | 36 | 100.0% |

Q4d How much do you pay for the collection service at each time?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---------------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| 800-1050/month | 0 | 0.0% | 1 | 10.0% | 1 | 6.7% | 2 | 5.6% |
| 1200/month | 9 | 81.8% | 8 | 80.0% | 8 | 53.3% | 25 | 69.4% |
| 1300 and more/month | 0 | 0.0% | 1 | 10.0% | 3 | 20.0% | 4 | 11.1% |
| Do not know | 2 | 18.2% | 0 | 0.0% | 3 | 20.0% | 5 | 13.9% |
| Total | 11 | 100.0% | 10 | 100.0% | 15 | 100.0% | 36 | 100.0% |

Q4e How much are you willing to pay for the current collection service at each time?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| 150-500/month | 0 | 0.0% | 3 | 30.0% | 2 | 13.3% | 5 | 13.9% |
| 800-850/month | 5 | 45.5% | 1 | 10.0% | 6 | 40.0% | 12 | 33.3% |
| 1200/month | 3 | 27.3% | 1 | 10.0% | 1 | 6.7% | 5 | 13.9% |
| 1300-1800/month | 0 | 0.0% | 1 | 10.0% | 2 | 13.3% | 3 | 8.3% |
| 2000-3000/month | 0 | 0.0% | 0 | 0.0% | 1 | 6.7% | 1 | 2.8% |
| Fee should depend on a weight of waste | 1 | 9.1% | 0 | 0.0% | 0 | 0.0% | 1 | 2.8% |
| 1000 in winter and 400-500 in summer/month | 1 | 9.1% | 3 | 30.0% | 0 | 0.0% | 4 | 11.1% |
| Do not know | 1 | 9.1% | 1 | 10.0% | 3 | 20.0% | 5 | 13.9% |
| Total | 11 | 100.0% | 10 | 100.0% | 15 | 100.0% | 36 | 100.0% |

Q4f How do you think about the collection fee?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|----------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| very expensive | 1 | 9.1% | 2 | 20.0% | 3 | 20.0% | 6 | 16.7% |
| expensive | 6 | 54.5% | 5 | 50.0% | 4 | 26.7% | 15 | 41.7% |
| appropriate | 3 | 27.3% | 2 | 20.0% | 6 | 40.0% | 11 | 30.6% |
| cheap | 0 | 0.0% | 1 | 10.0% | 0 | 0.0% | 1 | 2.8% |
| no answer | 1 | 9.1% | 0 | 0.0% | 2 | 13.3% | 3 | 8.3% |
| total | 11 | 100.0% | 10 | 100.0% | 15 | 100.0% | 36 | 100.0% |

Q4g Even though you think that the fee is expensive, what is the main reason for using the collection service?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| We have a consciousness not to discharge at a street | 7 | 100.0% | 3 | 42.9% | 5 | 71.4% | 15 | 71.4% |
| Do not like to pollute an environment. | 0 | 0.0% | 5 | 71.4% | 3 | 42.9% | 8 | 38.1% |
| Total | 7 | 100.0% | 7 | 100.0% | 7 | 100.0% | 21 | 100.0% |

Q4h How often do you want your waste collected?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| 4 times a month | 4 | 57.1% | 1 | 14.3% | 2 | 28.6% | 7 | 33.3% |
| 3 times a month | 1 | 14.3% | 1 | 14.3% | 1 | 14.3% | 3 | 14.3% |
| twice a month | 4 | 57.1% | 4 | 57.1% | 5 | 71.4% | 13 | 61.9% |
| once a month | 1 | 14.3% | 1 | 14.3% | 3 | 42.9% | 5 | 23.8% |
| I time in 2 months | 1 | 14.3% | 0 | 0.0% | 0 | 0.0% | 1 | 4.8% |
| 1 time a month-summer, 4 times a month-winter | 0 | 0.0% | 0 | 0.0% | 2 | 28.6% | 2 | 9.5% |
| 1 time a month in summer and 2 times a month in winter | 0 | 0.0% | 1 | 14.3% | 0 | 0.0% | 1 | 4.8% |
| 1 time in 2 months-summer, 1 time a month-winter | 0 | 0.0% | 1 | 14.3% | 0 | 0.0% | 1 | 4.8% |
| 1 time in 3 months-summer, 4 times a month-winter. | 0 | 0.0% | 1 | 14.3% | 0 | 0.0% | 1 | 4.8% |
| Only scheduled time | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 1 | 4.8% |
| Total | 7 | 100.0% | 7 | 100.0% | 7 | 100.0% | 21 | 100.0% |

Q5a Why you do not use the collection service?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| The collection fee is too expensive. | 0 | 0.0% | 0 | 0.0% | 3 | 13.0% | 3 | 10.3% |
| The frequency is too few. | 1 | 50.0% | 2 | 50.0% | 8 | 34.8% | 11 | 37.9% |
| The collection time is inappropriate. | 1 | 50.0% | 2 | 50.0% | 8 | 34.8% | 11 | 37.9% |
| There is no need of the collection service | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Collection vehicles never came | 0 | 0.0% | 0 | 0.0% | 8 | 29.6% | 8 | 24.2% |
| Total | 2 | 100.0% | 4 | 100.0% | 23 | 100.0% | 29 | 100.0% |

Q5b How much can you afford to pay for the collection service once per month?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|----------------------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| 100-200/month | 0 | 0.0% | 1 | 7.7% | 2 | 8.3% | 3 | 6.3% |
| 500-700/month | 0 | 0.0% | 1 | 7.7% | 2 | 8.3% | 3 | 6.3% |
| 800-1200/month | 1 | 9.1% | 1 | 7.7% | 6 | 25.0% | 8 | 16.7% |
| 1800-3000/month | 0 | 0.0% | 0 | 0.0% | 2 | 8.3% | 2 | 4.2% |
| no answer and I don't know | 10 | 90.9% | 10 | 76.9% | 12 | 50.0% | 32 | 66.7% |
| Total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q6 Who handles and discharges your waste in your household?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--------------------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| anyone who is available | 6 | 54.5% | 9 | 69.2% | 11 | 45.8% | 26 | 54.2% |
| female adult | 4 | 36.4% | 1 | 7.7% | 8 | 33.3% | 13 | 27.1% |
| male adult | 0 | 0.0% | 3 | 23.1% | 3 | 12.5% | 6 | 12.5% |
| female children | 1 | 9.1% | 0 | 0.0% | 1 | 4.2% | 2 | 4.2% |
| male children | 0 | 0.0% | 0 | 0.0% | 1 | 4.2% | 1 | 2.1% |
| maid or house staff | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| pay someone to discharge | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Others | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q7 Are you concerned about illegal dumping?

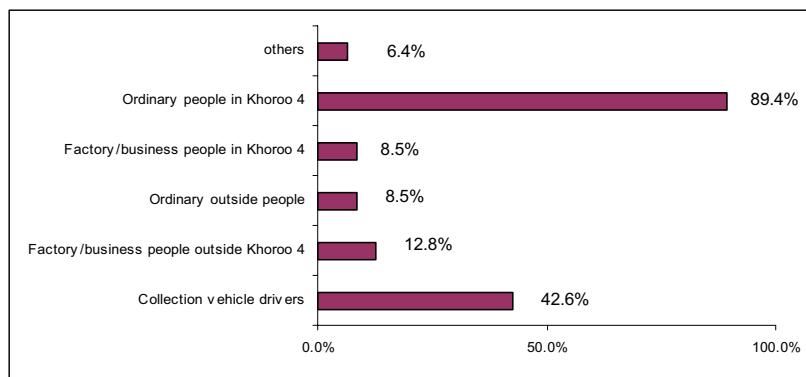
| | 1-2 | | 3-4 | | 5-8 | | total | |
|-------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Yes | 10 | 100.0% | 13 | 100.0% | 24 | 100.0% | 47 | 100.0% |
| no | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| total | 10 | 100.0% | 13 | 100.0% | 24 | 100.0% | 47 | 100.0% |

Q8a Which area is most affected by illegal dumping in Khoroo 4?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Whole khoroo area including the bridge | 4 | 40.0% | 6 | 46.2% | 6 | 25.0% | 16 | 34.0% |
| The rivanes within the khoroo including the livestock grazing route | 3 | 30.0% | 4 | 30.8% | 14 | 58.3% | 21 | 44.7% |
| Along the access road and UCDS | 2 | 20.0% | 4 | 30.8% | 3 | 12.5% | 9 | 19.1% |
| The local discharge points (well, the bus stop, high volt transmitter and the end of 13th street) | 1 | 10.0% | 4 | 30.8% | 8 | 33.3% | 13 | 27.7% |
| Total | 10 | 100.0% | 13 | 100.0% | 24 | 100.0% | 47 | 100.0% |

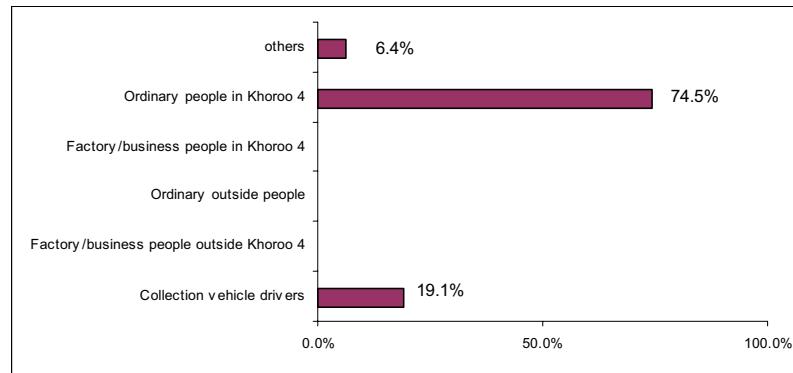
Q8b Who do you think dump waste improperly in Khoroo 4?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Collection vehicle drivers | 6 | 60.0% | 6 | 46.2% | 8 | 33.3% | 20 | 42.6% |
| Factory/business people outside Khoroo | 1 | 10.0% | 4 | 30.8% | 1 | 4.2% | 6 | 12.8% |
| Ordinary outside people | 3 | 30.0% | 1 | 7.7% | 0 | 0.0% | 4 | 8.5% |
| Factory/business people in Khoroo 4 | 1 | 10.0% | 2 | 15.4% | 1 | 4.2% | 4 | 8.5% |
| Ordinary people in Khoroo 4 | 7 | 70.0% | 13 | 100.0% | 22 | 91.7% | 42 | 89.4% |
| Others | 0 | 0.0% | 1 | 7.7% | 2 | 8.3% | 3 | 6.4% |
| Total | 10 | 100.0% | 13 | 100.0% | 24 | 100.0% | 47 | 100.0% |



Q8c Who do you think is the main cause of problems among them?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Collection vehicle drivers | 4 | 40.0% | 1 | 7.7% | 4 | 16.7% | 9 | 19.1% |
| Factory/business people outside Khoroo 4 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Ordinary outside people | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Factory/business people in Khoroo 4 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Ordinary people in Khoroo 4 | 6 | 60.0% | 11 | 84.6% | 18 | 75.0% | 35 | 74.5% |
| Others | 0 | 0.0% | 1 | 7.7% | 2 | 8.3% | 3 | 6.4% |
| Total | 10 | 100.0% | 13 | 100.0% | 24 | 100.0% | 47 | 100.0% |



Q8d How do you think to stop outside people from dumping waste in Khoroo?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Active actions from khoroo on monitoring and take measurement | 0 | 0.0% | 1 | 7.7% | 1 | 4.2% | 2 | 4.3% |
| collection vehicles should have a cover | 2 | 20.0% | 0 | 0.0% | 0 | 0.0% | 2 | 4.3% |
| To strengthen the law on waste and discipline | 2 | 20.0% | 2 | 15.4% | 2 | 8.3% | 6 | 12.8% |
| To asphalt the access road to UCDS | 2 | 20.0% | 0 | 0.0% | 2 | 8.3% | 4 | 8.5% |
| Containers among the streets | 0 | 0.0% | 1 | 7.7% | 0 | 0.0% | 1 | 2.1% |
| no answer and I don't know | 6 | 60.0% | 9 | 69.2% | 20 | 83.3% | 35 | 74.5% |
| Total | 10 | 100.0% | 13 | 100.0% | 24 | 100.0% | 47 | 100.0% |

Q8e How do you think to stop people in Khoroo from dumping waste?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Khoroo should take measurements | 3 | 30.0% | 3 | 23.1% | 7 | 29.2% | 13 | 27.7% |
| law on waste issue should be strengthened including a discipline. | 2 | 20.0% | 2 | 15.4% | 1 | 4.2% | 5 | 10.6% |
| Regular and scheduled collection service | 2 | 20.0% | 5 | 38.5% | 11 | 45.8% | 18 | 38.3% |
| To raise a public consciousness | 1 | 10.0% | 2 | 15.4% | 3 | 12.5% | 6 | 12.8% |
| Total | 10 | 100.0% | 13 | 100.0% | 24 | 100.0% | 47 | 100.0% |

Q8f Have you ever consult anyone else about the situations of the dumpsite?

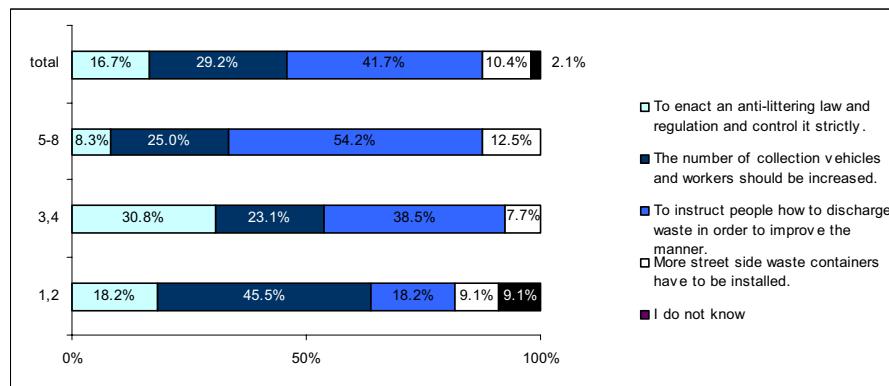
| | 1-2 | | 3-4 | | 5-8 | | total | |
|-------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Yes | 3 | 30.0% | 6 | 46.2% | 8 | 33.3% | 17 | 36.2% |
| No | 7 | 70.0% | 7 | 53.8% | 16 | 66.7% | 30 | 63.8% |
| Total | 10 | 100.0% | 13 | 100.0% | 24 | 100.0% | 47 | 100.0% |

Q8g Whom did you consult most?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--------------------------------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Ulaanbaatar city | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| District chief or a District officer | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Khoroot chief or a Khoroo officer | 0 | 0.0% | 3 | 50.0% | 1 | 12.5% | 4 | 23.5% |
| Heseg officer | 2 | 66.7% | 0 | 0.0% | 0 | 0.0% | 2 | 11.8% |
| neighbors | 1 | 33.3% | 2 | 33.3% | 5 | 62.5% | 8 | 47.1% |
| NGO | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| other | 0 | 0.0% | 1 | 16.7% | 2 | 25.0% | 3 | 17.6% |
| total | 3 | 100.0% | 6 | 100.0% | 8 | 100.0% | 17 | 100.0% |

Q9 To solve problems of scattered wastes on the street or illegal dumping in the open space, which measure do you think most effective?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| To enact an anti-littering law and regulation and control it strictly. | 2 | 18.2% | 4 | 30.8% | 2 | 8.3% | 8 | 16.7% |
| The number of collection vehicles and workers should be increased. | 5 | 45.5% | 3 | 23.1% | 6 | 25.0% | 14 | 29.2% |
| To instruct people how to discharge waste in order to improve the manner. | 2 | 18.2% | 5 | 38.5% | 13 | 54.2% | 20 | 41.7% |
| More street side waste containers have to be installed. | 1 | 9.1% | 1 | 7.7% | 3 | 12.5% | 5 | 10.4% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| others | 1 | 9.1% | 0 | 0.0% | 0 | 0.0% | 1 | 2.1% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |



Q10 If Khoroo 4 organize a clean-up activity in this Khoroo, how do you think about it?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| It good. I want to join in the event | 8 | 72.7% | 13 | 100.0% | 23 | 95.8% | 44 | 91.7% |
| It food, but I do not want to join the event | 3 | 27.3% | 0 | 0.0% | 1 | 4.2% | 4 | 8.3% |
| It is not a good idea, but I want to join in the event. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| It is not a good idea and I do not want to join in the event. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| others | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q11a How do you usually get information from the Ulaanbaatar City? Check one you got information most frequently?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|------------------------------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| through radio or TV | 10 | 90.9% | 11 | 84.6% | 20 | 83.3% | 41 | 85.4% |
| through newspaper | 0 | 0.0% | 0 | 0.0% | 1 | 4.2% | 1 | 2.1% |
| government bulletin or news letter | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Heseg officer | 1 | 9.1% | 0 | 0.0% | 0 | 0.0% | 1 | 2.1% |
| Khoroo officer | 0 | 0.0% | 1 | 7.7% | 2 | 8.3% | 3 | 6.3% |
| District officer | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| neighbors | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| through NGO | 0 | 0.0% | 1 | 7.7% | 0 | 0.0% | 1 | 2.1% |
| others | 0 | 0.0% | 0 | 0.0% | 1 | 4.2% | 1 | 2.1% |
| No response | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q11b What is your most preferable way to get information from Ulaanbaatar City?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|------------------------------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| through radio or TV | 4 | 36.4% | 2 | 15.4% | 10 | 41.7% | 16 | 33.3% |
| through newspaper | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| government bulletin or news letter | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Heseg officer | 1 | 9.1% | 3 | 23.1% | 5 | 20.8% | 9 | 18.8% |
| Khoroo officer | 5 | 45.5% | 8 | 61.5% | 9 | 37.5% | 22 | 45.8% |
| District officer | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| neighbors | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| through NGO | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| others | 1 | 9.1% | 0 | 0.0% | 0 | 0.0% | 1 | 2.1% |
| No response | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q12 When you face social problems such as crimes and environment problems in your community whom do usually consult?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---------------------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| neighbors | 1 | 9.1% | 0 | 0.0% | 5 | 20.8% | 6 | 12.5% |
| Khoroo chief | 5 | 45.5% | 4 | 30.8% | 10 | 41.7% | 19 | 39.6% |
| District chief or officer | 2 | 18.2% | 0 | 0.0% | 1 | 4.2% | 3 | 6.3% |
| NGO | 0 | 0.0% | 0 | 0.0% | 2 | 8.3% | 2 | 4.2% |
| other | 3 | 27.3% | 6 | 46.2% | 5 | 20.8% | 14 | 29.2% |
| not consult anybody else | 0 | 0.0% | 3 | 23.1% | 1 | 4.2% | 4 | 8.3% |
| No response | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q13a How old are you? How about the head of the household?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| 18 – 24 years | 3 | 27.3% | 2 | 15.4% | 4 | 16.7% | 9 | 18.8% |
| 25 – 29 years | 0 | 0.0% | 2 | 15.4% | 1 | 4.2% | 3 | 6.3% |
| 30 – 34 years | 1 | 9.1% | 5 | 38.5% | 4 | 16.7% | 10 | 20.8% |
| 35 – 39 years | 0 | 0.0% | 0 | 0.0% | 3 | 12.5% | 3 | 6.3% |
| 40 – 44 years | 2 | 18.2% | 1 | 7.7% | 1 | 4.2% | 4 | 8.3% |
| 45 – 49 years | 1 | 9.1% | 1 | 7.7% | 2 | 8.3% | 4 | 8.3% |
| 50 – 54 years | 2 | 18.2% | 1 | 7.7% | 3 | 12.5% | 6 | 12.5% |
| 55 – 59 years | 0 | 0.0% | 0 | 0.0% | 2 | 8.3% | 2 | 4.2% |
| 60 – 64 years | 1 | 9.1% | 1 | 7.7% | 3 | 12.5% | 5 | 10.4% |
| over 65 years | 1 | 9.1% | 0 | 0.0% | 1 | 4.2% | 2 | 4.2% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q13b Are you?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Female | 10 | 90.9% | 6 | 46.2% | 15 | 62.5% | 31 | 64.6% |
| male | 1 | 9.1% | 7 | 53.8% | 9 | 37.5% | 17 | 35.4% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q14a What is the last grade of formal education you completed?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|----------------------------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| No formal schooling | 0 | 0.0% | 0 | 0.0% | 1 | 4.2% | 1 | 2.1% |
| Some primary | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Completed primary school | 0 | 0.0% | 0 | 0.0% | 4 | 16.7% | 4 | 8.3% |
| Some secondary | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Completed secondary school | 6 | 54.5% | 5 | 38.5% | 5 | 20.8% | 16 | 33.3% |
| Technical/Vocational | 5 | 45.5% | 5 | 38.5% | 10 | 41.7% | 20 | 41.7% |
| University | 0 | 0.0% | 3 | 23.1% | 4 | 16.7% | 7 | 14.6% |
| Post Graduate | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| No response | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q14b Are you literacy?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|-------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Yes | 11 | 100.0% | 13 | 100.0% | 23 | 95.8% | 47 | 97.9% |
| no | 0 | 0.0% | 0 | 0.0% | 1 | 4.2% | 1 | 2.1% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q15 What is your current employment status.?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|--|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| full-time (either employed or self-employed) | 3 | 27.3% | 4 | 30.8% | 6 | 25.0% | 13 | 27.1% |
| part-time (either employed or self-employed) | 1 | 9.1% | 0 | 0.0% | 2 | 8.3% | 3 | 6.3% |
| unemployed | 0 | 0.0% | 5 | 38.5% | 6 | 25.0% | 11 | 22.9% |
| retired | 4 | 36.4% | 0 | 0.0% | 5 | 20.8% | 9 | 18.8% |
| housewife (not working) | 0 | 0.0% | 2 | 15.4% | 1 | 4.2% | 3 | 6.3% |
| students (not working) | 3 | 27.3% | 2 | 15.4% | 4 | 16.7% | 9 | 18.8% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q16a How frequency do you listen to the news on the radio?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|-----------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Never | 1 | 9.1% | 5 | 38.5% | 13 | 54.2% | 19 | 39.6% |
| Rarely | 2 | 18.2% | 5 | 38.5% | 3 | 12.5% | 10 | 20.8% |
| Sometimes | 5 | 45.5% | 1 | 7.7% | 2 | 8.3% | 8 | 16.7% |
| Everyday | 3 | 27.3% | 2 | 15.4% | 6 | 25.0% | 11 | 22.9% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q16b How frequency do you watch the news on TV?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|-----------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Never | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Rarely | 0 | 0.0% | 1 | 7.7% | 1 | 4.2% | 2 | 4.2% |
| Sometimes | 1 | 9.1% | 0 | 0.0% | 2 | 8.3% | 3 | 6.3% |
| Everyday | 10 | 90.9% | 12 | 92.3% | 21 | 87.5% | 43 | 89.6% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q16c How frequency do you read the news on newspaper?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|-----------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Never | 1 | 9.1% | 3 | 23.1% | 2 | 8.3% | 6 | 12.5% |
| Rarely | 3 | 27.3% | 5 | 38.5% | 11 | 45.8% | 19 | 39.6% |
| Sometimes | 4 | 36.4% | 1 | 7.7% | 5 | 20.8% | 10 | 20.8% |
| Everyday | 3 | 27.3% | 4 | 30.8% | 6 | 25.0% | 13 | 27.1% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q17a Are there any community organization such as residents' association in your neighbor?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|-------|------|--------|------|--------|------|--------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| Yes | 2 | 18.2% | 0 | 0.0% | 0 | 0.0% | 2 | 4.2% |
| no | 9 | 81.8% | 13 | 100.0% | 24 | 100.0% | 46 | 95.8% |
| total | 11 | 100.0% | 13 | 100.0% | 24 | 100.0% | 48 | 100.0% |

Q17b What kinds of functions does the community organization have?

| | 1-2 | | 3-4 | | 5-8 | | total | |
|---|------|--------|------|-------|------|-------|-------|--------|
| | Coun | Col % | Coun | Col % | Coun | Col % | Coun | Col % |
| I get information from the government through the organization. | 0 | 0.0% | 0 | | 0 | | 0 | 0.0% |
| The organization conducts a public campaign. | 0 | 0.0% | 0 | | 0 | | 0 | 0.0% |
| There is a meeting organized by the committee. | 2 | 100.0% | 0 | | 0 | | 2 | 100.0% |
| I can submit a request to the government through the committee. | 0 | 0.0% | 0 | | 0 | | 0 | 0.0% |
| others | 0 | 0.0% | 0 | | 0 | | 0 | 0.0% |
| total | 2 | 100.0% | 0 | | 0 | | 2 | 100.0% |

2.2 Collection System Improvement (Result of Follow-up Survey)

2.2.1 Households Survey

Do you know discharge rules which introduced recently?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|-------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 10 | 83.3% | 32 | 88.9% | 48 | 92.3% | 35 | 76.1% | 125 | 85.6% |
| No | 2 | 16.7% | 4 | 11.1% | 4 | 7.7% | 11 | 23.9% | 21 | 14.4% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

When did you get to know discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Before the discharge rules were introduced. | 6 | 60.0% | 15 | 46.9% | 23 | 47.9% | 20 | 57.1% | 64 | 51.2% |
| After the discharge rules were introduced. | 4 | 40.0% | 17 | 53.1% | 25 | 52.1% | 15 | 42.9% | 61 | 48.8% |
| Grand Total | 10 | 100.0% | 32 | 100.0% | 48 | 100.0% | 35 | 100.0% | 125 | 100.0% |

Please mention the contents of the discharge rules.

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|--|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| You can discharge waste only the collection days. | 9 | 90.0% | 30 | 93.8% | 43 | 89.6% | 33 | 94.3% | 115 | 92.0% |
| You have to discharge waste until xx a.m. | 6 | 60.0% | 12 | 37.5% | 16 | 33.3% | 22 | 62.9% | 56 | 44.8% |
| You have to bring waste to a designated place. | 8 | 80.0% | 25 | 78.1% | 26 | 54.2% | 19 | 54.3% | 78 | 62.4% |
| You have to discharge waste in a plastic bag or container. | 1 | 10.0% | 3 | 9.4% | 4 | 8.3% | 21 | 60.0% | 29 | 23.2% |
| You have to bind a plastic bag tightly. | 1 | 10.0% | 17 | 53.1% | 22 | 45.8% | 18 | 51.4% | 58 | 46.4% |
| Grand Total | 10 | 100.0% | 32 | 100.0% | 48 | 100.0% | 35 | 100.0% | 125 | 100.0% |

How did you get to know the discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|--|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| from leaflet distributed to each household | 6 | 60.0% | 12 | 37.5% | 31 | 64.6% | 19 | 54.3% | 68 | 54.4% |
| from signboard at the door. | 8 | 80.0% | 17 | 53.1% | 30 | 62.5% | 19 | 54.3% | 74 | 59.2% |
| from leaflet at the door. | 7 | 70.0% | 17 | 53.1% | 20 | 41.7% | 19 | 54.3% | 63 | 50.4% |
| by attending a community meeting | 3 | 30.0% | 5 | 15.6% | 6 | 12.5% | 7 | 20.0% | 21 | 16.8% |
| Housing Association people explained. | 3 | 30.0% | 21 | 65.6% | 22 | 45.8% | 13 | 37.1% | 59 | 47.2% |
| Khoroo government explained. | 1 | 10.0% | 2 | 6.3% | 8 | 16.7% | 2 | 5.7% | 13 | 10.4% |
| Member of my family | 0 | 0.0% | 4 | 12.5% | 1 | 2.1% | 7 | 20.0% | 12 | 9.6% |
| Others | 1 | 10.0% | 3 | 9.4% | 4 | 8.3% | 7 | 20.0% | 15 | 12.0% |
| Grand Total | 10 | 100.0% | 32 | 100.0% | 48 | 100.0% | 35 | 100.0% | 125 | 100.0% |

Did you understand the discharge rules when you heard them for the first time?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It was very easy to understand. | 4 | 40.0% | 24 | 75.0% | 34 | 70.8% | 24 | 68.6% | 86 | 68.8% |
| It was rather easy to understand. | 6 | 60.0% | 7 | 21.9% | 12 | 25.0% | 9 | 25.7% | 34 | 27.2% |
| It is difficult a little bit to understand. | 0 | 0.0% | 1 | 3.1% | 2 | 4.2% | 2 | 5.7% | 5 | 4.0% |
| It is difficult to understand. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 10 | 100.0% | 32 | 100.0% | 48 | 100.0% | 35 | 100.0% | 125 | 100.0% |

When you hard the discharge rules for the first time, how did you think about it?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|-------------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It would work well. | 1 | 10.0% | 21 | 65.6% | 19 | 39.6% | 11 | 31.4% | 52 | 41.6% |
| It would work to some extent. | 8 | 80.0% | 7 | 21.9% | 19 | 39.6% | 17 | 48.6% | 51 | 40.8% |
| it would be difficult to implement | 1 | 10.0% | 3 | 9.4% | 6 | 12.5% | 4 | 11.4% | 14 | 11.2% |
| it would be impossible to implement | 0 | 0.0% | 1 | 3.1% | 4 | 8.3% | 3 | 8.6% | 8 | 6.4% |
| Grand Total | 10 | 100.0% | 32 | 100.0% | 48 | 100.0% | 35 | 100.0% | 125 | 100.0% |

Do you follow the discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|--|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes, I always follow rules | 9 | 75.0% | 32 | 88.9% | 47 | 90.4% | 32 | 69.6% | 120 | 82.2% |
| I usually follow rules but sometimes do not. | 1 | 8.3% | 1 | 2.8% | 0 | 0.0% | 2 | 4.3% | 4 | 2.7% |
| I sometimes follow rules. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 2.2% | 1 | 0.7% |
| I rarely follow rules. | 0 | 0.0% | 1 | 2.8% | 2 | 3.8% | 2 | 4.3% | 5 | 3.4% |
| I've never followed rules. | 2 | 16.7% | 2 | 5.6% | 3 | 5.8% | 9 | 19.6% | 16 | 11.0% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

How do you think about the discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|------------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is easy to apply | 5 | 50.0% | 28 | 84.8% | 34 | 72.3% | 21 | 60.0% | 88 | 70.4% |
| It is easy to apply to some extent | 5 | 50.0% | 3 | 9.1% | 10 | 21.3% | 9 | 25.7% | 27 | 21.6% |
| It is difficult to apply | 0 | 0.0% | 2 | 6.1% | 3 | 6.4% | 5 | 14.3% | 10 | 8.0% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 10 | 100.0% | 33 | 100.0% | 47 | 100.0% | 35 | 100.0% | 125 | 100.0% |

[applicability: frequency]

| Q5-2 | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---------------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| The frequency is too low | 2 | 20.0% | 5 | 15.2% | 11 | 23.4% | 8 | 22.9% | 26 | 20.8% |
| The frequency is right. | 8 | 80.0% | 28 | 84.8% | 35 | 74.5% | 27 | 77.1% | 98 | 78.4% |
| The frequency is too high | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 1 | 2.1% | 0 | 0.0% | 1 | 0.8% |
| Grand Total | 10 | 100.0% | 33 | 100.0% | 47 | 100.0% | 35 | 100.0% | 125 | 100.0% |

How many collection services do you want to receive per week?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|-------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| 4 Days | 2 | 100.0% | 1 | 20.0% | 7 | 63.6% | 6 | 75.0% | 16 | 61.5% |
| 5 Days | 0 | 0.0% | 1 | 20.0% | 2 | 18.2% | 0 | 0.0% | 3 | 11.5% |
| 7 Days | 0 | 0.0% | 3 | 60.0% | 2 | 18.2% | 2 | 25.0% | 7 | 26.9% |
| Grand Total | 2 | 100.0% | 5 | 100.0% | 11 | 100.0% | 8 | 100.0% | 26 | 100.0% |

Which way do you usually choose?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|--|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| I always place waste at a designated place. | 5 | 50.0% | 12 | 36.4% | 14 | 29.8% | 11 | 31.4% | 42 | 33.6% |
| I rather place waste at a designated place. | 1 | 10.0% | 10 | 30.3% | 15 | 31.9% | 7 | 20.0% | 33 | 26.4% |
| I rather bring waste directly to a collection vehicle. | 0 | 0.0% | 5 | 15.2% | 11 | 23.4% | 5 | 14.3% | 21 | 16.8% |
| I always bring waste directly to a collection vehicle. | 4 | 40.0% | 6 | 18.2% | 7 | 14.9% | 12 | 34.3% | 29 | 23.2% |
| Grand Total | 10 | 100.0% | 33 | 100.0% | 47 | 100.0% | 35 | 100.0% | 125 | 100.0% |

How evaluate the discharge ways, in which you can chose either system?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|------------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| This system is good. | 9 | 90.0% | 27 | 81.8% | 43 | 91.5% | 29 | 82.9% | 108 | 86.4% |
| this system is either good or bad. | 1 | 10.0% | 6 | 18.2% | 3 | 6.4% | 4 | 11.4% | 14 | 11.2% |
| this system is not good. | 0 | 0.0% | 0 | 0.0% | 1 | 2.1% | 2 | 5.7% | 3 | 2.4% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 10 | 100.0% | 33 | 100.0% | 47 | 100.0% | 35 | 100.0% | 125 | 100.0% |

[applicability: the way of discharging waste]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| I always bind a plastic tightly. | 9 | 90.0% | 32 | 97.0% | 46 | 97.9% | 33 | 94.3% | 120 | 96.0% |
| I usually bind it tightly, but sometimes forget it. | 0 | 0.0% | 1 | 3.0% | 1 | 2.1% | 0 | 0.0% | 2 | 1.6% |
| I often forget it. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I never bind it tightly. | 1 | 10.0% | 0 | 0.0% | 0 | 0.0% | 2 | 5.7% | 3 | 2.4% |
| Grand Total | 10 | 100.0% | 33 | 100.0% | 47 | 100.0% | 35 | 100.0% | 125 | 100.0% |

Are there any differences in conditions of your areas?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 10 | 83.3% | 30 | 83.3% | 43 | 82.7% | 32 | 69.6% | 115 | 78.8% |
| No | 2 | 16.7% | 3 | 8.3% | 7 | 13.5% | 8 | 17.4% | 20 | 13.7% |
| I do not know | 0 | 0.0% | 3 | 8.3% | 2 | 3.8% | 6 | 13.0% | 11 | 7.5% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

How did it change?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---------------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is better than before. | 10 | 100.0% | 29 | 96.7% | 42 | 97.7% | 31 | 96.9% | 112 | 97.4% |
| It is worse than before. | 0 | 0.0% | 1 | 3.3% | 1 | 2.3% | 1 | 3.1% | 3 | 2.6% |
| Grand Total | 10 | 100.0% | 30 | 100.0% | 43 | 100.0% | 32 | 100.0% | 115 | 100.0% |

What kinds of improvement do you find?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|--|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Waste heaps are removed. | 9 | 90.0% | 20 | 66.7% | 32 | 74.4% | 26 | 81.3% | 87 | 75.7% |
| There is less scattering waste in my apartment area. | 10 | 100.0% | 24 | 80.0% | 29 | 67.4% | 23 | 71.9% | 86 | 74.8% |
| There is less scattering waste on the street. | 9 | 90.0% | 17 | 56.7% | 21 | 48.8% | 14 | 43.8% | 61 | 53.0% |
| There is less scattering waste inside the building. | 4 | 40.0% | 8 | 26.7% | 22 | 51.2% | 1 | 3.1% | 35 | 30.4% |
| There is less coming waste pickers. | 2 | 20.0% | 4 | 13.3% | 6 | 14.0% | 2 | 6.3% | 14 | 12.2% |
| Others (Please specify) | 0 | 0.0% | 4 | 13.3% | 7 | 16.3% | 1 | 3.1% | 12 | 10.4% |
| Grand Total | 10 | 100.0% | 30 | 100.0% | 43 | 100.0% | 32 | 100.0% | 115 | 100.0% |

What kinds of degradation do you find?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| There is no degradation. | 8 | 80.0% | 27 | 90.0% | 34 | 79.1% | 24 | 75.0% | 93 | 80.9% |
| Scattering waste is increased inside of building. | 2 | 20.0% | 1 | 3.3% | 5 | 11.6% | 8 | 25.0% | 16 | 13.9% |
| Others | 0 | 0.0% | 2 | 6.7% | 2 | 4.7% | 0 | 0.0% | 4 | 3.5% |
| Grand Total | 10 | 100.0% | 30 | 100.0% | 43 | 100.0% | 32 | 100.0% | 115 | 100.0% |

Do you think that there is a difference in your awareness of solid waste issues?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 7 | 58.3% | 20 | 55.6% | 33 | 63.5% | 25 | 54.3% | 85 | 58.2% |
| No | 4 | 33.3% | 11 | 30.6% | 16 | 30.8% | 11 | 23.9% | 42 | 28.8% |
| I do not know | 1 | 8.3% | 5 | 13.9% | 3 | 5.8% | 10 | 21.7% | 19 | 13.0% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

How did it change?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|------------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| My awareness is higher than before | 7 | 100.0% | 20 | 100.0% | 33 | 100.0% | 25 | 100.0% | 85 | 100.0% |
| It is worse than before. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 7 | 100.0% | 20 | 100.0% | 33 | 100.0% | 25 | 100.0% | 85 | 100.0% |

Please let us know your impression of the new collection system and discharge rules. Does a collection truck usually come on time?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| usually too early | 0 | 0.0% | 0 | 0.0% | 2 | 3.8% | 4 | 8.7% | 6 | 4.1% |
| at appropriate time | 8 | 66.7% | 20 | 55.6% | 33 | 63.5% | 14 | 30.4% | 75 | 51.4% |
| usually too late | 1 | 8.3% | 1 | 2.8% | 5 | 9.6% | 2 | 4.3% | 9 | 6.2% |
| I do not know | 3 | 25.0% | 15 | 41.7% | 12 | 23.1% | 26 | 56.5% | 56 | 38.4% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

How about the manner of drivers and collection workers?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|-------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| it is very good | 5 | 41.7% | 9 | 25.0% | 21 | 40.4% | 6 | 13.0% | 41 | 28.1% |
| it is rather good | 2 | 16.7% | 1 | 2.8% | 9 | 17.3% | 9 | 19.6% | 21 | 14.4% |
| it is rather bad | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| it is very bad | 1 | 8.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 0.7% |
| I do not know | 4 | 33.3% | 26 | 72.2% | 22 | 42.3% | 31 | 67.4% | 83 | 56.8% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

How do you evaluate the current collection system and discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is better than the previous collection system. | 10 | 83.3% | 33 | 91.7% | 49 | 94.2% | 36 | 78.3% | 128 | 87.7% |
| It is the same as the previous collection system. | 2 | 16.7% | 2 | 5.6% | 2 | 3.8% | 7 | 15.2% | 13 | 8.9% |
| It is worse than the previous collection system. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 2.2% | 1 | 0.7% |
| I do not know. | 0 | 0.0% | 1 | 2.8% | 1 | 1.9% | 1 | 2.2% | 3 | 2.1% |
| both systems are very inconvenient | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 2.2% | 1 | 0.7% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

What are good points of the new discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|--|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| There are less coming waste pickers. | 1 | 8.3% | 1 | 2.8% | 4 | 7.7% | 1 | 2.2% | 7 | 4.8% |
| There is less scattering waste. | 1 | 8.3% | 8 | 22.2% | 12 | 23.1% | 2 | 4.3% | 23 | 15.8% |
| It is becoming no waste and clean. | 3 | 25.0% | 12 | 33.3% | 18 | 34.6% | 11 | 23.9% | 44 | 30.1% |
| Resident's discharge manner is improved. | 1 | 8.3% | 4 | 11.1% | 5 | 9.6% | 2 | 4.3% | 12 | 8.2% |
| Collection truck comes on time. | 1 | 8.3% | 7 | 19.4% | 5 | 9.6% | 4 | 8.7% | 17 | 11.6% |
| No respond | 5 | 41.7% | 6 | 16.7% | 1 | 1.9% | 10 | 21.7% | 22 | 15.1% |
| Others | 0 | 0.0% | 3 | 8.3% | 12 | 23.1% | 8 | 17.4% | 23 | 15.8% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

What are weak points of the new discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|--|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Scattering waste is increased in inside of building. | 1 | 8.3% | 1 | 2.8% | 3 | 5.8% | 7 | 15.2% | 12 | 8.2% |
| I can't discharge waste when I want. | 1 | 8.3% | 3 | 8.3% | 3 | 5.8% | 1 | 2.2% | 8 | 5.5% |
| Collection frequency is decreased. | 1 | 8.3% | 1 | 2.8% | 4 | 7.7% | 1 | 2.2% | 7 | 4.8% |
| There is no weak point. | 5 | 41.7% | 23 | 63.9% | 30 | 57.7% | 21 | 45.7% | 79 | 54.1% |
| I do not know | 3 | 25.0% | 3 | 8.3% | 7 | 13.5% | 9 | 19.6% | 22 | 15.1% |
| Others | 1 | 8.3% | 4 | 11.1% | 6 | 11.5% | 2 | 4.3% | 13 | 8.9% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

Regarding the discharge rules, are there any points you think to modify?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|-------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 7 | 58.3% | 9 | 25.0% | 17 | 32.7% | 18 | 39.1% | 51 | 34.9% |
| No | 5 | 41.7% | 27 | 75.0% | 35 | 67.3% | 26 | 56.5% | 93 | 63.7% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

What are they?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| To increase collection frequency | 1 | 14.3% | 3 | 33.3% | 5 | 29.4% | 5 | 27.8% | 14 | 27.5% |
| To conduct source separation | 1 | 14.3% | 2 | 22.2% | 1 | 5.9% | 2 | 11.1% | 6 | 11.8% |
| To prohibit discharging waste inside of building. | 1 | 14.3% | 0 | 0.0% | 2 | 11.8% | 0 | 0.0% | 3 | 5.9% |
| Others | 4 | 57.1% | 3 | 33.3% | 7 | 41.2% | 10 | 55.6% | 24 | 47.1% |
| Grand Total | 7 | 100.0% | 9 | 100.0% | 17 | 100.0% | 18 | 100.0% | 51 | 100.0% |

How do you think about the new discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|---|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| This is good, and I am willing to follow. | 11 | 91.7% | 32 | 88.9% | 47 | 90.4% | 39 | 84.8% | 129 | 88.4% |
| I do not like it but I agree to follow. | 0 | 0.0% | 3 | 8.3% | 3 | 5.8% | 4 | 8.7% | 10 | 6.8% |
| I have no intention to follow. | 0 | 0.0% | 0 | 0.0% | 2 | 3.8% | 0 | 0.0% | 2 | 1.4% |
| Others (Please specify) | 1 | 8.3% | 1 | 2.8% | 0 | 0.0% | 3 | 6.5% | 5 | 3.4% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

[signboard at the entrance door]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|--------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is easy to understand. | 7 | 58.3% | 19 | 52.8% | 24 | 46.2% | 22 | 47.8% | 72 | 49.3% |
| It is easy to some extent. | 3 | 25.0% | 1 | 2.8% | 9 | 17.3% | 4 | 8.7% | 17 | 11.6% |
| It is difficult a little bit. | 0 | 0.0% | 0 | 0.0% | 1 | 1.9% | 1 | 2.2% | 2 | 1.4% |
| It is difficult to understand. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I did not read | 2 | 16.7% | 16 | 44.4% | 18 | 34.6% | 19 | 41.3% | 55 | 37.7% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

[leaflet to show the content of the discharge rules]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|--------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is easy to understand. | 6 | 50.0% | 11 | 30.6% | 26 | 50.0% | 20 | 43.5% | 63 | 43.2% |
| It is easy to some extent. | 2 | 16.7% | 2 | 5.6% | 7 | 13.5% | 3 | 6.5% | 14 | 9.6% |
| It is difficult a little bit. | 0 | 0.0% | 1 | 2.8% | 0 | 0.0% | 0 | 0.0% | 1 | 0.7% |
| It is difficult to understand. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I did not read | 4 | 33.3% | 22 | 61.1% | 19 | 36.5% | 23 | 50.0% | 68 | 46.6% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

[signboard at the former dumping place]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|--------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is easy to understand. | 0 | 0.0% | 10 | 27.8% | 22 | 42.3% | 17 | 37.0% | 49 | 33.6% |
| It is easy to some extent. | 0 | 0.0% | 1 | 2.8% | 4 | 7.7% | 1 | 2.2% | 6 | 4.1% |
| It is difficult a little bit. | 0 | 0.0% | 0 | 0.0% | 1 | 1.9% | 0 | 0.0% | 1 | 0.7% |
| It is difficult to understand. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I did not read | 12 | 100.0% | 25 | 69.4% | 25 | 48.1% | 28 | 60.9% | 90 | 61.6% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

Gender

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|-------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Male | 4 | 33.3% | 8 | 22.2% | 14 | 26.9% | 10 | 21.7% | 36 | 24.7% |
| Female | 8 | 66.7% | 28 | 77.8% | 38 | 73.1% | 35 | 76.1% | 109 | 74.7% |
| reject | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 2.2% | 1 | 0.7% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 46 | 100.0% | 146 | 100.0% |

Age

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|----------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Less than 18 | 1 | 8.3% | 6 | 16.7% | 6 | 11.5% | 4 | 8.9% | 17 | 11.7% |
| 18 - 24 years | 0 | 0.0% | 4 | 11.1% | 8 | 15.4% | 6 | 13.3% | 18 | 12.4% |
| 25 - 29 years | 0 | 0.0% | 3 | 8.3% | 4 | 7.7% | 4 | 8.9% | 11 | 7.6% |
| 30 - 34 years | 1 | 8.3% | 3 | 8.3% | 3 | 5.8% | 4 | 8.9% | 11 | 7.6% |
| 35 - 39 years | 2 | 16.7% | 4 | 11.1% | 5 | 9.6% | 3 | 6.7% | 14 | 9.7% |
| 40 - 44 years | 0 | 0.0% | 5 | 13.9% | 3 | 5.8% | 6 | 13.3% | 14 | 9.7% |
| 45 - 49 years | 1 | 8.3% | 0 | 0.0% | 3 | 5.8% | 3 | 6.7% | 7 | 4.8% |
| 50 - 54 years | 0 | 0.0% | 1 | 2.8% | 4 | 7.7% | 5 | 11.1% | 10 | 6.9% |
| 55 - 59 years | 0 | 0.0% | 2 | 5.6% | 2 | 3.8% | 1 | 2.2% | 5 | 3.4% |
| 60 - 64 years | 3 | 25.0% | 3 | 8.3% | 3 | 5.8% | 2 | 4.4% | 11 | 7.6% |
| Over 65+ years | 4 | 33.3% | 5 | 13.9% | 11 | 21.2% | 7 | 15.6% | 27 | 18.6% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 45 | 100.0% | 145 | 100.0% |

How many years have you dwelled in present premises?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|-------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| Less than 5 years | 3 | 25.0% | 14 | 38.9% | 19 | 36.5% | 24 | 53.3% | 60 | 41.4% |
| 5 – 9 years | 1 | 8.3% | 7 | 19.4% | 9 | 17.3% | 6 | 13.3% | 23 | 15.9% |
| 10 – 19 years | 2 | 16.7% | 3 | 8.3% | 10 | 19.2% | 7 | 15.6% | 22 | 15.2% |
| 20 years or more | 6 | 50.0% | 11 | 30.6% | 13 | 25.0% | 8 | 17.8% | 38 | 26.2% |
| No response | 0 | 0.0% | 1 | 2.8% | 1 | 1.9% | 0 | 0.0% | 2 | 1.4% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 45 | 100.0% | 145 | 100.0% |

If you moved to the current place less than 5 years ago, where are you from?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|-------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Bayan-olgii | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 4.2% | 1 | 1.7% |
| BGD | 0 | 0.0% | 3 | 21.4% | 6 | 31.6% | 2 | 8.3% | 11 | 18.3% |
| BZD | 1 | 33.3% | 0 | 0.0% | 3 | 15.8% | 3 | 12.5% | 7 | 11.7% |
| ChD | 0 | 0.0% | 3 | 21.4% | 4 | 21.1% | 5 | 20.8% | 12 | 20.0% |
| Darkhan | 0 | 0.0% | 1 | 7.1% | 1 | 5.3% | 1 | 4.2% | 3 | 5.0% |
| Erdenet | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 4.2% | 1 | 1.7% |
| German | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 4.2% | 1 | 1.7% |
| Hovsgol | 0 | 0.0% | 1 | 7.1% | 0 | 0.0% | 0 | 0.0% | 1 | 1.7% |
| HUD | 0 | 0.0% | 3 | 21.4% | 2 | 10.5% | 2 | 8.3% | 7 | 11.7% |
| Ovorhangai | 0 | 0.0% | 0 | 0.0% | 1 | 5.3% | 0 | 0.0% | 1 | 1.7% |
| SBD | 2 | 66.7% | 1 | 7.1% | 2 | 10.5% | 6 | 25.0% | 11 | 18.3% |
| SKhD | 0 | 0.0% | 2 | 14.3% | 0 | 0.0% | 2 | 8.3% | 4 | 6.7% |
| Grand Total | 3 | 100.0% | 14 | 100.0% | 19 | 100.0% | 24 | 100.0% | 60 | 100.0% |

What is the last grade of formal education you completed?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|-------------------------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| No formal schooling | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 2.2% | 1 | 0.7% |
| Some primary | 0 | 0.0% | 0 | 0.0% | 1 | 1.9% | 0 | 0.0% | 1 | 0.7% |
| Completed Primary School | 0 | 0.0% | 2 | 5.6% | 1 | 1.9% | 0 | 0.0% | 3 | 2.1% |
| Some Secondary School | 1 | 8.3% | 5 | 13.9% | 4 | 7.7% | 5 | 11.1% | 15 | 10.3% |
| Completed Secondary School | 2 | 16.7% | 7 | 19.4% | 13 | 25.0% | 12 | 26.7% | 34 | 23.4% |
| Technical / Vocational | 0 | 0.0% | 0 | 0.0% | 2 | 3.8% | 1 | 2.2% | 3 | 2.1% |
| Some/completed Diploma Degree | 0 | 0.0% | 1 | 2.8% | 3 | 5.8% | 2 | 4.4% | 6 | 4.1% |
| University | 9 | 75.0% | 9 | 25.0% | 14 | 26.9% | 24 | 53.3% | 56 | 38.6% |
| Post Graduate | 0 | 0.0% | 12 | 33.3% | 14 | 26.9% | 0 | 0.0% | 26 | 17.9% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 45 | 100.0% | 145 | 100.0% |

How many people permanently live in your house?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Khoroo 4 | | total | |
|-------------|----------|--------|----------|--------|----------|--------|----------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| 1 | 0 | 0.0% | 1 | 2.8% | 3 | 5.8% | 3 | 6.7% | 7 | 4.8% |
| 2 | 1 | 8.3% | 5 | 13.9% | 10 | 19.2% | 8 | 17.8% | 24 | 16.6% |
| 3 | 6 | 50.0% | 11 | 30.6% | 14 | 26.9% | 13 | 28.9% | 44 | 30.3% |
| 4 | 2 | 16.7% | 13 | 36.1% | 14 | 26.9% | 10 | 22.2% | 39 | 26.9% |
| 5 | 1 | 8.3% | 4 | 11.1% | 6 | 11.5% | 7 | 15.6% | 18 | 12.4% |
| 6 | 1 | 8.3% | 0 | 0.0% | 2 | 3.8% | 3 | 6.7% | 6 | 4.1% |
| 7 | 0 | 0.0% | 2 | 5.6% | 2 | 3.8% | 1 | 2.2% | 5 | 3.4% |
| 8 | 1 | 8.3% | 0 | 0.0% | 1 | 1.9% | 0 | 0.0% | 2 | 1.4% |
| Grand Total | 12 | 100.0% | 36 | 100.0% | 52 | 100.0% | 45 | 100.0% | 145 | 100.0% |

2.2.2 Housing Association Survey

How many percentage of households discharge waste according to the new discharge rules in your HA?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| 0-10% | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 1 | 12.5% | 2 | 7.7% |
| 11-20% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 21-30% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 31-40% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 41-50% | 1 | 25.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 3.8% |
| 51-60% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 12.5% | 1 | 3.8% |
| 61-70% | 0 | 0.0% | 0 | 0.0% | 2 | 28.6% | 0 | 0.0% | 2 | 7.7% |
| 71-80% | 1 | 25.0% | 3 | 42.9% | 1 | 14.3% | 3 | 37.5% | 8 | 30.8% |
| 81-90% | 0 | 0.0% | 0 | 0.0% | 2 | 28.6% | 1 | 12.5% | 3 | 11.5% |
| 91-100% | 2 | 50.0% | 4 | 57.1% | 1 | 14.3% | 2 | 25.0% | 9 | 34.6% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

How do you think about the discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is easy to apply | 3 | 75.0% | 5 | 71.4% | 2 | 28.6% | 3 | 37.5% | 13 | 50.0% |
| It is easy to some extent | 1 | 25.0% | 2 | 28.6% | 4 | 57.1% | 4 | 50.0% | 11 | 42.3% |
| It is difficult to apply | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 1 | 12.5% | 2 | 7.7% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

[applicability: frequency]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| The frequency is too low | 2 | 50.0% | 1 | 14.3% | 2 | 28.6% | 4 | 50.0% | 9 | 34.6% |
| The frequency is right. | 2 | 50.0% | 6 | 85.7% | 5 | 71.4% | 4 | 50.0% | 17 | 65.4% |
| The frequency is too high | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

How many collection services do you want to receive per week?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-----------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| 4days per week | 1 | 50.0% | 0 | 0.0% | 1 | 50.0% | 4 | 100.0% | 6 | 66.7% |
| 5 days pre week | 0 | 0.0% | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% | 1 | 11.1% |
| Everyday | 1 | 50.0% | 0 | 0.0% | 1 | 50.0% | 0 | 0.0% | 2 | 22.2% |
| Grand Total | 2 | 100.0% | 1 | 100.0% | 2 | 100.0% | 4 | 100.0% | 9 | 100.0% |

[applicability: the way of discharging waste]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|------------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| This system is good. | 3 | 75.0% | 5 | 71.4% | 6 | 85.7% | 4 | 50.0% | 18 | 69.2% |
| this system is either good or bad. | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 3 | 37.5% | 4 | 15.4% |
| this system is not good. | 1 | 25.0% | 2 | 28.6% | 0 | 0.0% | 1 | 12.5% | 4 | 15.4% |
| I do not know. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

[applicability: the way of discharging waste] to bind a plastic bag tightly

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---|----------|--------|----------|--------|----------|------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Some residents place waste every time inside of building. | 1 | 100.0% | 2 | 100.0% | 0 | 0.0% | 0 | 0.0% | 3 | 75.0% |
| Waste pickers enter inside of building and scatter waste. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 100.0% | 1 | 25.0% |
| Grand Total | 1 | 100.0% | 2 | 100.0% | 0 | 0.0% | 1 | 100.0% | 4 | 100.0% |

[applicability: the way of discharging waste] to bind a plastic bag tightly

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| I always bind a plastic tightly. | 2 | 50.0% | 6 | 85.7% | 3 | 42.9% | 6 | 75.0% | 17 | 65.4% |
| I usually bind it tightly, but sometimes forget it. | 2 | 50.0% | 1 | 14.3% | 3 | 42.9% | 1 | 12.5% | 7 | 26.9% |
| I often forget it. | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 1 | 12.5% | 2 | 7.7% |
| I never bind it tightly. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

Are there any differences in conditions of your areas?

| Q 3-1 | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |
| No | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

How did it change?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is better than before. | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 7 | 87.5% | 25 | 96.2% |
| It is worse than before. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 12.5% | 1 | 3.8% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

What kinds of improvement do you find?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Waste heaps are removed. | 2 | 50.0% | 7 | 100.0% | 6 | 85.7% | 7 | 100.0% | 22 | 88.0% |
| There is less scattering waste in my apartment area. | 2 | 50.0% | 7 | 100.0% | 4 | 57.1% | 4 | 57.1% | 17 | 68.0% |
| There is less scattering waste on the street. | 2 | 50.0% | 7 | 100.0% | 4 | 57.1% | 2 | 28.6% | 15 | 60.0% |
| There is less scattering waste inside the building. | 1 | 25.0% | 3 | 42.9% | 2 | 28.6% | 1 | 14.3% | 7 | 28.0% |
| Waste pickers are visiting to pick up waste around our apartment is decreased | 0 | 0.0% | 0 | 0.0% | 3 | 42.9% | 1 | 14.3% | 4 | 16.0% |
| Residents can habitat to follow discharge rule | 2 | 50.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 2 | 8.0% |
| Cleaner's work is easier than before | 1 | 25.0% | 1 | 14.3% | 0 | 0.0% | 0 | 0.0% | 2 | 8.0% |
| Others | 1 | 25.0% | 3 | 42.9% | 0 | 0.0% | 0 | 0.0% | 4 | 16.0% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 7 | 100.0% | 25 | 100.0% |

What kinds of degradation do you find?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| There is no degradation point. | 2 | 50.0% | 6 | 85.7% | 5 | 71.4% | 5 | 62.5% | 18 | 69.2% |
| There are leaved waste amount is increased at inside of buildings | 1 | 25.0% | 0 | 0.0% | 1 | 14.3% | 2 | 25.0% | 4 | 15.4% |
| Some residents discharge waste at non collection days. | 1 | 25.0% | 0 | 0.0% | 1 | 14.3% | 1 | 12.5% | 3 | 11.5% |
| Other | 0 | 0.0% | 1 | 14.3% | 0 | 0.0% | 0 | 0.0% | 1 | 3.8% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

Do you think that there is a difference in your awareness of solid waste issues?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 3 | 75.0% | 7 | 100.0% | 5 | 71.4% | 7 | 87.5% | 22 | 84.6% |
| No | 1 | 25.0% | 0 | 0.0% | 1 | 14.3% | 1 | 12.5% | 3 | 11.5% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 0 | 0.0% | 1 | 3.8% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

How did it change?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|------------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| My awareness is higher than before | 3 | 100.0% | 7 | 100.0% | 5 | 100.0% | 7 | 100.0% | 22 | 100.0% |
| My awareness is lower than before | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 3 | 100.0% | 7 | 100.0% | 5 | 100.0% | 7 | 100.0% | 22 | 100.0% |

Regarding waste management, are there any changes in your work?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-----------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| It is easier than before. | 2 | 50.0% | 6 | 85.7% | 5 | 71.4% | 5 | 62.5% | 18 | 69.2% |
| It is same as before. | 2 | 50.0% | 1 | 14.3% | 0 | 0.0% | 1 | 12.5% | 4 | 15.4% |
| It is more difficult than before. | 0 | 0.0% | 0 | 0.0% | 2 | 28.6% | 2 | 25.0% | 4 | 15.4% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

How do you evaluate the current collection system and discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---|----------|-------|----------|--------|----------|--------|---------|-------|-------|-------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| It is better than the previous collection system. | 2 | 50.0% | 7 | 100.0% | 7 | 100.0% | 7 | 87.5% | 23 | 88.5% |
| It is the same as the previous collection system. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| It is worse than the previous | 2 | 50.0% | 0 | 0.0% | 0 | 0.0% | 1 | 12.5% | 3 | 11.5% |

| | | | | | | | | | | |
|--------------------|---|--------|---|--------|---|--------|---|--------|----|--------|
| collection system. | | | | | | | | | | |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

Regarding the discharge rules, are there any points you think to need to modify?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 1 | 25.0% | 4 | 57.1% | 5 | 71.4% | 5 | 62.5% | 15 | 57.7% |
| No | 3 | 75.0% | 3 | 42.9% | 2 | 28.6% | 3 | 37.5% | 11 | 42.3% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

How do you think about the new discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| This is good, and I support. | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |
| I do not like it but I support. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| It is better to stop it. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

How do you think about the educational materials? [signboard at the entrance door]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|--------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is easy to understand. | 4 | 100.0% | 7 | 100.0% | 4 | 57.1% | 7 | 87.5% | 22 | 84.6% |
| It is easy to some extent. | 0 | 0.0% | 0 | 0.0% | 2 | 28.6% | 1 | 12.5% | 3 | 11.5% |
| It is difficult a little bit. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| It is difficult to understand. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I did not read | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 0 | 0.0% | 1 | 3.8% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

[leaflet to show the content of the discharge rules]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|--------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is easy to understand. | 4 | 100.0% | 7 | 100.0% | 5 | 71.4% | 7 | 87.5% | 23 | 88.5% |
| It is easy to some extent. | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 1 | 12.5% | 2 | 7.7% |
| It is difficult a little bit. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| It is difficult to understand. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| No signboard | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 0 | 0.0% | 1 | 3.8% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

[signboard at the former dumping place]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|--------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is easy to understand. | 1 | 25.0% | 6 | 85.7% | 5 | 71.4% | 5 | 62.5% | 17 | 65.4% |
| It is easy to some extent. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 12.5% | 1 | 3.8% |
| It is difficult a little bit. | 0 | 0.0% | 0 | 0.0% | 1 | 14.3% | 0 | 0.0% | 1 | 3.8% |
| It is difficult to understand. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I did not read | 3 | 75.0% | 1 | 14.3% | 1 | 14.3% | 2 | 25.0% | 7 | 26.9% |
| Grand Total | 4 | 100.0% | 7 | 100.0% | 7 | 100.0% | 8 | 100.0% | 26 | 100.0% |

2.2.3 Cleaners Survey

Do you know discharge rules which introduced recently?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 5 | 100.0% | 11 | 100.0% | 12 | 92.3% | 18 | 100.0% | 46 | 97.9% |
| No | 0 | 0.0% | 0 | 0.0% | 1 | 7.7% | 0 | 0.0% | 1 | 2.1% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

When did you get to know discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Before the discharge rules were introduced. | 2 | 40.0% | 9 | 81.8% | 5 | 41.7% | 14 | 77.8% | 30 | 65.2% |
| After the discharge rules were introduced. | 3 | 60.0% | 2 | 18.2% | 7 | 58.3% | 4 | 22.2% | 16 | 34.8% |
| (blank) | | 0.0% | | 0.0% | | 0.0% | | 0.0% | | 0.0% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 12 | 100.0% | 18 | 100.0% | 46 | 100.0% |

Please mention the contents of the discharge rules.

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|--|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| You can discharge waste only the collection days. | 5 | 100.0% | 11 | 100.0% | 12 | 100.0% | 17 | 94.4% | 45 | 97.8% |
| You have to discharge waste until xx a.m. | 2 | 40.0% | 8 | 72.7% | 7 | 58.3% | 10 | 55.6% | 27 | 58.7% |
| You have to bring waste to a designated place. | 3 | 60.0% | 10 | 90.9% | 10 | 83.3% | 16 | 88.9% | 39 | 84.8% |
| You have to discharge waste in a plastic bag or container. | 3 | 60.0% | 6 | 54.5% | 5 | 41.7% | 7 | 38.9% | 21 | 45.7% |
| You have to bind a plastic bag tightly. | 3 | 60.0% | 7 | 63.6% | 7 | 58.3% | 7 | 38.9% | 24 | 52.2% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 12 | 100.0% | 18 | 100.0% | 46 | 100.0% |

How did you get to know the discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|--|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| from leaflet distributed to each household | 1 | 20.0% | 4 | 36.4% | 7 | 58.3% | 5 | 27.8% | 17 | 37.0% |
| from signboard at the door. | 2 | 40.0% | 3 | 27.3% | 8 | 66.7% | 4 | 22.2% | 17 | 37.0% |
| from leaflet at the door. | 2 | 40.0% | 3 | 27.3% | 6 | 50.0% | 4 | 22.2% | 15 | 32.6% |
| by attending a community meeting | 0 | 0.0% | 3 | 27.3% | 1 | 8.3% | 0 | 0.0% | 4 | 8.7% |
| Housing Association people explained. | 3 | 60.0% | 11 | 100.0% | 6 | 50.0% | 7 | 38.9% | 27 | 58.7% |
| Khoroo government explained. | 1 | 20.0% | 4 | 36.4% | 7 | 58.3% | 4 | 22.2% | 16 | 34.8% |
| JICA study members explained | 2 | 40.0% | 9 | 81.8% | 4 | 33.3% | 11 | 61.1% | 26 | 56.5% |
| Others | 0 | 0.0% | 1 | 9.1% | 0 | 0.0% | 4 | 22.2% | 5 | 10.9% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 12 | 100.0% | 18 | 100.0% | 46 | 100.0% |

Did you understand the discharge rules when you heard them for the first time?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It was very easy to understand. | 3 | 60.0% | 7 | 63.6% | 10 | 83.3% | 10 | 55.6% | 30 | 65.2% |
| It was rather easy to understand. | 2 | 40.0% | 4 | 36.4% | 1 | 8.3% | 7 | 38.9% | 14 | 30.4% |
| It is difficult a little bit to understand. | 0 | 0.0% | 0 | 0.0% | 1 | 8.3% | 1 | 5.6% | 2 | 4.3% |
| It is very difficult | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 12 | 100.0% | 18 | 100.0% | 46 | 100.0% |

When you heard the discharge rules for the first time

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It would work well. | 2 | 40.0% | 7 | 63.6% | 7 | 58.3% | 4 | 22.2% | 20 | 43.5% |
| It would work to some extent. | 2 | 40.0% | 4 | 36.4% | 3 | 25.0% | 5 | 27.8% | 14 | 30.4% |
| it would be difficult to implement | 1 | 20.0% | 0 | 0.0% | 2 | 16.7% | 9 | 50.0% | 12 | 26.1% |
| it would be impossible to implement | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 12 | 100.0% | 18 | 100.0% | 46 | 100.0% |

How many households usually bring and place waste behind the entrance door?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|--|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| 0-5 plastic bags in each entrance | 2 | 40.0% | 3 | 27.3% | 5 | 38.5% | 6 | 33.3% | 16 | 34.0% |
| 6-10 plastic bags in each entrance | 2 | 40.0% | 3 | 27.3% | 3 | 23.1% | 4 | 22.2% | 12 | 25.5% |
| 11-15 plastic bags in each entrance | 0 | 0.0% | 0 | 0.0% | 3 | 23.1% | 1 | 5.6% | 4 | 8.5% |
| 16-20 plastic bags in each entrance | 1 | 20.0% | 2 | 18.2% | 2 | 15.4% | 5 | 27.8% | 10 | 21.3% |
| 21-25 plastic bags in each entrance | 0 | 0.0% | 2 | 18.2% | 0 | 0.0% | 1 | 5.6% | 3 | 6.4% |
| 26-30 plastic bags in each entrance | 0 | 0.0% | 1 | 9.1% | 0 | 0.0% | 0 | 0.0% | 1 | 2.1% |
| below 30 plastic bags in each entrance | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 5.6% | 1 | 2.1% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

How many percentage?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| 0-10% | 0 | 0.0% | 2 | 18.2% | 0 | 0.0% | 2 | 11.1% | 4 | 8.5% |
| 11-20% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 5.6% | 1 | 2.1% |
| 21-30% | 2 | 40.0% | 1 | 9.1% | 2 | 15.4% | 0 | 0.0% | 5 | 10.6% |
| 31-40% | 1 | 20.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 2.1% |
| 41-50% | 0 | 0.0% | 0 | 0.0% | 1 | 7.7% | 4 | 22.2% | 5 | 10.6% |
| 51-60% | 0 | 0.0% | 0 | 0.0% | 2 | 15.4% | 0 | 0.0% | 2 | 4.3% |
| 61-70% | 0 | 0.0% | 0 | 0.0% | 2 | 15.4% | 1 | 5.6% | 3 | 6.4% |
| 71-80% | 0 | 0.0% | 3 | 27.3% | 2 | 15.4% | 1 | 5.6% | 6 | 12.8% |
| 81-90% | 1 | 20.0% | 3 | 27.3% | 4 | 30.8% | 2 | 11.1% | 10 | 21.3% |
| 91-100% | 1 | 20.0% | 2 | 18.2% | 0 | 0.0% | 6 | 33.3% | 9 | 19.1% |
| No answer | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 5.6% | 1 | 2.1% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

How many households usually bring waste directly to a collection vehicle?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| 0-5 residents from each apartment | 5 | 100.0% | 4 | 36.4% | 7 | 53.8% | 12 | 66.7% | 28 | 59.6% |
| 6-10 residents from each apartment | 0 | 0.0% | 3 | 27.3% | 4 | 30.8% | 2 | 11.1% | 9 | 19.1% |
| 11-15 residents from each apartment | 0 | 0.0% | 0 | 0.0% | 2 | 15.4% | 1 | 5.6% | 3 | 6.4% |
| 16-20 residents from each apartment | 0 | 0.0% | 2 | 18.2% | 0 | 0.0% | 2 | 11.1% | 4 | 8.5% |
| 21-25 residents from each apartment | 0 | 0.0% | 2 | 18.2% | 0 | 0.0% | 0 | 0.0% | 2 | 4.3% |
| No answer | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 5.6% | 1 | 2.1% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

How do you think about the discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|------------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is easy to apply | 4 | 80.0% | 10 | 90.9% | 6 | 46.2% | 6 | 33.3% | 26 | 55.3% |
| It is easy to apply to some extent | 0 | 0.0% | 1 | 9.1% | 4 | 30.8% | 8 | 44.4% | 13 | 27.7% |
| It is difficult to apply | 1 | 20.0% | 0 | 0.0% | 3 | 23.1% | 4 | 22.2% | 8 | 17.0% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

[applicability: frequency]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| The frequency is too low | 1 | 20.0% | 3 | 27.3% | 2 | 15.4% | 7 | 38.9% | 13 | 27.7% |
| The frequency is right. | 4 | 80.0% | 8 | 72.7% | 11 | 84.6% | 10 | 55.6% | 33 | 70.2% |
| The frequency is too high | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 5.6% | 1 | 2.1% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

How many collection services do you think needed?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| 4 days | 0 | 0.0% | 3 | 100.0% | 0 | 0.0% | 7 | 100.0% | 10 | 76.9% |
| 5 days | 0 | 0.0% | 0 | 0.0% | 1 | 50.0% | 0 | 0.0% | 1 | 7.7% |
| 7 days | 1 | 100.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 7.7% |
| 6-7 days | 0 | 0.0% | 0 | 0.0% | 1 | 50.0% | 0 | 0.0% | 1 | 7.7% |
| Grand Total | 1 | 100.0% | 3 | 100.0% | 2 | 100.0% | 7 | 100.0% | 13 | 100.0% |

[applicability: the way of discharging waste]

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|------------------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| This system is good. | 4 | 80.0% | 10 | 90.9% | 9 | 69.2% | 11 | 61.1% | 34 | 72.3% |
| this system is either good or bad. | 0 | 0.0% | 0 | 0.0% | 3 | 23.1% | 4 | 22.2% | 7 | 14.9% |
| this system is not good. | 1 | 20.0% | 1 | 9.1% | 1 | 7.7% | 3 | 16.7% | 6 | 12.8% |
| I do not know. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

Are there any differences in conditions of your areas?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 3 | 60.0% | 11 | 100.0% | 12 | 92.3% | 15 | 83.3% | 41 | 87.2% |
| No | 0 | 0.0% | 0 | 0.0% | 1 | 7.7% | 2 | 11.1% | 3 | 6.4% |
| I do not know | 2 | 40.0% | 0 | 0.0% | 0 | 0.0% | 1 | 5.6% | 3 | 6.4% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

How did it change?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is better than before. | 3 | 100.0% | 11 | 100.0% | 11 | 91.7% | 14 | 93.3% | 39 | 95.1% |
| It is worse than before. | 0 | 0.0% | 0 | 0.0% | 1 | 8.3% | 1 | 6.7% | 2 | 4.9% |
| (blank) | | 0.0% | | 0.0% | | 0.0% | | 0.0% | | 0.0% |
| Grand Total | 3 | 100.0% | 11 | 100.0% | 12 | 100.0% | 15 | 100.0% | 41 | 100.0% |

What kinds of improvement do you find?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|--|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Waste heaps are removed. | 1 | 33.3% | 9 | 81.8% | 10 | 83.3% | 12 | 80.0% | 32 | 78.0% |
| There is less scattering waste in my apartment area. | 2 | 66.7% | 6 | 54.5% | 7 | 58.3% | 13 | 86.7% | 28 | 68.3% |
| There is less scattering waste on the street. | 0 | 0.0% | 5 | 45.5% | 9 | 75.0% | 8 | 53.3% | 22 | 53.7% |
| There is less scattering waste inside the building. | 2 | 66.7% | 4 | 36.4% | 5 | 41.7% | 0 | 0.0% | 11 | 26.8% |
| Waste pickers are visiting around our apartment is decreased | 1 | 33.3% | 2 | 18.2% | 2 | 16.7% | 2 | 13.3% | 7 | 17.1% |
| Grand Total | 3 | 100.0% | 11 | 100.0% | 12 | 100.0% | 15 | 100.0% | 41 | 100.0% |

What kinds of degradation do you find?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---|----------|------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| Some residents discharge waste inside of building at wrong time | 0 | 0.0% | 1 | 100.0% | 3 | 100.0% | 6 | 100.0% | 10 | 100.0% |
| Grand Total | 0 | 0.0% | 1 | 100.0% | 3 | 100.0% | 6 | 100.0% | 10 | 100.0% |

Do you think that there is a difference in your awareness of solid waste issues?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 3 | 60.0% | 5 | 45.5% | 9 | 69.2% | 13 | 72.2% | 30 | 63.8% |
| No | 1 | 20.0% | 4 | 36.4% | 4 | 30.8% | 1 | 5.6% | 10 | 21.3% |
| I do not know | 1 | 20.0% | 2 | 18.2% | 0 | 0.0% | 4 | 22.2% | 7 | 14.9% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

How did it change?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|------------------------------------|----------|--------|----------|-------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| My awareness is higher than before | 2 | 66.7% | 5 | 45.5% | 9 | 100.0% | 13 | 100.0% | 29 | 96.7% |
| My awareness is lower than before | 1 | 33.3% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 3.3% |
| Grand Total | 3 | 100.0% | 5 | 45.5% | 9 | 100.0% | 13 | 100.0% | 30 | 100.0% |

Does a collection truck usually come on time?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| usually too early | 0 | 0.0% | 0 | 0.0% | 2 | 15.4% | 5 | 27.8% | 7 | 14.9% |
| at appropriate time | 5 | 100.0% | 11 | 100.0% | 9 | 69.2% | 12 | 66.7% | 37 | 78.7% |
| usually too late | 0 | 0.0% | 0 | 0.0% | 2 | 15.4% | 1 | 5.6% | 3 | 6.4% |
| I do not know | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

How about the manner of drivers and collection workers?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| it is very good | 2 | 40.0% | 9 | 81.8% | 11 | 84.6% | 14 | 77.8% | 36 | 76.6% |
| it is rather good | 2 | 40.0% | 2 | 18.2% | 1 | 7.7% | 4 | 22.2% | 9 | 19.1% |
| it is rather bad | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| it is very bad | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| I do not know | 1 | 20.0% | 0 | 0.0% | 1 | 7.7% | 0 | 0.0% | 2 | 4.3% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

How do you evaluate the current collection system and discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| It is better than the previous collection system. | 4 | 80.0% | 11 | 100.0% | 12 | 92.3% | 17 | 94.4% | 44 | 93.6% |
| It is the same as the previous collection system. | 0 | 0.0% | 0 | 0.0% | 1 | 7.7% | 1 | 5.6% | 2 | 4.3% |
| It is worse than the previous collection system. | 1 | 20.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 1 | 2.1% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

Regarding the discharge rules, are there any points you think to modify?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | Count | col% | count | col% | count | col% | count | col% | count | col% |
| Yes | 1 | 20.0% | 4 | 36.4% | 4 | 30.8% | 10 | 55.6% | 19 | 40.4% |
| No | 4 | 80.0% | 7 | 63.6% | 9 | 69.2% | 8 | 44.4% | 28 | 59.6% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

How do you think about the new discharge rules?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|---|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| This is good, and I am willing to support | 4 | 80.0% | 11 | 100.0% | 12 | 92.3% | 16 | 88.9% | 43 | 91.5% |
| I do not like it but I agree to support. | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 2 | 11.1% | 2 | 4.3% |
| It is better to stop it. | 1 | 20.0% | 0 | 0.0% | 1 | 7.7% | 0 | 0.0% | 2 | 4.3% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

Record Gender

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Male | 2 | 40.0% | 2 | 18.2% | 2 | 15.4% | 3 | 16.7% | 9 | 19.1% |
| Female | 3 | 60.0% | 9 | 81.8% | 11 | 84.6% | 15 | 83.3% | 38 | 80.9% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

Could you please tell me your age ?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|----------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Less than 18 | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 18 - 24 years | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 25 - 29 years | 0 | 0.0% | 0 | 0.0% | 2 | 15.4% | 2 | 11.1% | 4 | 8.5% |
| 30 - 34 years | 0 | 0.0% | 1 | 9.1% | 1 | 7.7% | 0 | 0.0% | 2 | 4.3% |
| 35 - 39 years | 2 | 40.0% | 2 | 18.2% | 1 | 7.7% | 1 | 5.6% | 6 | 12.8% |
| 40 - 44 years | 0 | 0.0% | 2 | 18.2% | 2 | 15.4% | 4 | 22.2% | 8 | 17.0% |
| 45 - 49 years | 0 | 0.0% | 2 | 18.2% | 4 | 30.8% | 3 | 16.7% | 9 | 19.1% |
| 50 - 54 years | 1 | 20.0% | 2 | 18.2% | 1 | 7.7% | 7 | 38.9% | 11 | 23.4% |
| 55 - 59 years | 2 | 40.0% | 0 | 0.0% | 1 | 7.7% | 1 | 5.6% | 4 | 8.5% |
| 60 - 64 years | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Over 65+ years | 0 | 0.0% | 2 | 18.2% | 1 | 7.7% | 0 | 0.0% | 3 | 6.4% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |

How many years have you worked for the association?

| | Khoroo 1 | | Khoroo 2 | | Khoroo 3 | | Koroo 4 | | Total | |
|-------------------|----------|--------|----------|--------|----------|--------|---------|--------|-------|--------|
| | count | col% | count | col% | count | col% | count | col% | count | col% |
| Less than 5 years | 0 | 0.0% | 0 | 0.0% | 5 | 38.5% | 2 | 11.1% | 7 | 14.9% |
| 5 - 9 years | 0 | 0.0% | 0 | 0.0% | 2 | 15.4% | 2 | 11.1% | 4 | 8.5% |
| 10 - 19 years | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| 20 years or more | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| No response | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% | 0 | 0.0% |
| Grand Total | 5 | 100.0% | 11 | 100.0% | 13 | 100.0% | 18 | 100.0% | 47 | 100.0% |