

NATIONAL STATISTICAL SERVICE OF THE REPUBLIC OF ARMENIA

R E P O R T

SURVEY OF INDIVIDUAL HOUSING CONSTRUCTION

YEREVAN – 2008



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Negligible discrepancy between the totals and sum of items in some cases can be explained by using rounded data.

1. INTRODUCTION

The National Statistical Service of the Republic of Armenia (NSS RA) conducted a survey of individual housing construction in May 2008 within the framework of the Project Component “Construction Statistics” under the Contract “Statistics 10” of the TACIS Program, which aimed at studying and expanding the list and contents of the indicators necessary for the house construction statistics. This survey has complemented house construction statistics with extra indicators, but also improved instruments and methodology for calculation of those indicators.

The survey was based on interviews with the owners of properties who had been involved in the construction of houses for their own use and the building constructors, using the questionnaire “Individual Housing Construction” (confirmed by the Resolution 13-A of the 4th of May 2008 of the State Council on Statistics of RA).

Indicators covered by the questionnaire enabled the NSSRA to derive information on the scale of activity in construction work, information about sources of financing house construction and detailed information about the costs, number of storeys, sizes of the floor space, height of the storeys and other characteristics of houses constructed (or under construction) by individuals for their own use.

Guidance in the conduct of the survey was provided by Dr. Michael Pepper, Team Leader and Key Expert on Business Surveys of the TACIS 10 project,

2. SURVEY OBJECTIVE AND DESCRIPTION

The liberalized economic system in Armenia has led to a sharp growth in individual housing construction by individuals for their own use

High rates of individual housing construction may be observed in some geographic (regional) locations. However a lack of accurate administrative registers of licences for construction, the prevalence of some constructions (built without any license), create particular difficulties in producing reliable and comprehensive statistical data collection on individual housing construction.

In general, problems faced in collecting information about house construction may be separated in the following main groups:

- *incompleteness of indicators on volumes of individual housing construction by marz (region) breakdown,*
- *introduction of the instruments being used in the international practice, taking into consideration peculiarities of the sphere,*
- *lack of precise mechanisms for monitoring the process of individual housing construction,*
- *expanding and improvement of the existing indicators set,*
- *necessity of forming and updating of the individual housing construction register.*

In this context, in order to improve the statistical accounting of house construction, it is important to conduct periodical surveys and by so doing to improve the instruments available, through the development and use of state statistical reporting forms, and to obtain some broad indicators of levels of activity in at least some regions of the Country.

Taking into account the above-mentioned, the main purpose of this survey was to improve statistics on individual housing construction. In particular,

- *ensuring the comparability of the statistical data on house construction with the methodologies and standards used in the international practice,*
- *ensuring the comprehensiveness of the indicators by regional breakdown,*
- *use of the sampling methods and improvements of their methodology in construction.*

The survey results provide:

- *complete and reliable information on individual housing construction in some key regions, particularly studying structure and volumes of the buildings,*
- *and increase in the quality of information,*

- to complement the database on house construction within the official statistics with new indicators,
- a model for a register for newly built houses which can be used to monitor periodically the level housing construction activity.

The derived results enable NSSRA to improve and update its database, to expand its list of published indicators, to improve methodology, and to support more informed policy making by providing state and local self-government bodies with key information.

3. SURVEY DESIGN

There were two main approaches - entire and sampling - used for the conduct of the survey.

Lists¹ of the licenses for individual housing construction, which had been given since 2005 by the state government body in the urban development, served as the main information source for the survey.

However there were, in some regions, serious inaccuracies and lack of availability of lists of licensed permits for individual house construction. These weaknesses, together with restrictions of available financial and human resources and the objective of receiving representative data, led to a concentration of survey resources in those regions where the individual housing construction is more prevalent and where reasonably up-to-date lists of licences are available². Yerevan and the following 4 marzes – Aragatsotn, Ararat, Armavir and Kotayk- were selected. **The results of the survey therefore only apply to Yerevan and to these 4 marzes.**

The licenses given for individual housing construction in Yerevan city were surveyed in their entirety, but in the other marzes – by the random sampling, considering the differences between the numbers of the mentioned licenses (from 100 to 640, meanwhile 100 - in Armavir, 136 – in Aragatsotn, 304 – in Ararat, 640 –in Kotayk), based on which the sample “steps” had been determined.

Overall there were 1330 licences granted, permitting individuals to construct a house for their own use. These were predominantly in Yerevan. Their locations are set out in the table below.

	Number of houses included in the survey,	As a % of the total survey
Yerevan city	850	63.9
<i>including by communities</i>		
Ajapnyak	83	
Avan	25	
Arabkir	112	
Davtashen	110	
Erebuni	88	
Kentron	108	
Malatia-Sebastia	105	
Nor Nork	43	
Norq Marash	-	
Nubarashen	-	
Shengavit	95	

¹ License for construction is given by the mayor of the community in the communities, by the marzpet – in the territories out of the administrative borders of the community, by the mayor of Yerevan city – in Yerevan according to the order established by the Government of the Republic of Armenia. RA Law “On Urban Development”, 5 May 1998.

² This survey didn’t cover the individual housing construction projects in the marzes of the disaster zone, as the official statistical accounting monitoring includes more complete information on them.

	Number of houses included in the survey,	As a % of the total survey
Qanaqer-Zeytun	81	
Aragatsotn	80	6.0
Ararat	120	9.0
Armavir	80	6.0
Kotayk	200	15.1
Total	1330	100

Although the survey was aimed at 1330 houses, it was foreseen to survey also those buildings under construction in the neighbourhood of the surveyed buildings, which were out of the list of the buildings to be surveyed.

4. DATA COLLECTION

The whole process of data collection of individual houses (hereinafter houses) was carried out by face to face interview with 1618 owners of properties and building constructors.

Interviewers were trained and given questionnaires, instructions for filling in questionnaires, and a list of the houses to be surveyed.

Detailed technical explanations were given and special guidance related to the completion of questionnaires particularly when faced with full or partial non-response.

To provide a high response level, a number of initiatives were undertaken to demonstrate the necessity of the research and the objectives of the survey, and to increase the interest of citizens living in those areas covered by the survey.

Citizens were provided with further clarification of the importance of the survey and this helped to reduce full or partial non-response to the questionnaires,

Data collection was carried out on the regional basis. To increase effectiveness of the field work the interviewing processes were monitored by supervisors, who also gave practical assistance in clarifying and solving any problems that emerged during the enumeration phase of the survey. The questionnaires completed by the interviewers were also logically and arithmetically checked and coded by the supervisors prior to their input into computers.

The survey results were produced using a computer software program.

5. SURVEY RESULTS

Information on 1618 houses was collected. The regional distribution of that information is presented in the table below:

	Number of houses covered by the survey sampling	Number of surveyed houses	Difference (+,-)
Total	1330	1618	+288
<i>including</i>			
Yerevan city	850	1072	+222
Aragatsotn	80	90	+10
Ararat	120	149	+29
Armavir	80	90	+10
Kotayk	200	217	+17

unit

The difference between the number of houses selected in the sample and number actually surveyed reflects the incompleteness in the local authority supplied lists of the licenses for individual housing construction given by the communities (as an administrative registers) which formed the administrative basis for the conduct of this survey, as well as those additional houses identified in the neighbourhood of the surveyed houses, which had received a license for construction up to 2005”.

The detailed information collected in this survey, relating to the general description of the surveyed houses, was analysed according to the following characteristics:

- **stage of the construction work,**
- **completeness of the building,**
- **financial sources and costs,**
- **number of storeys of the building,**
- **sizes of floor space, height of storeys,**
- **types of walls, roof, doors, windows and floor, as well as**
- **provision with engineering outfits, heating types,**
- **building's plot improvement and**
- **availability of other additional facilities.**

The stage of the house construction is the most important precondition from the viewpoint of construction sector development.

The **stage of the surveyed house construction work** (at the period of interview) is characterised by the following data presented in the table below:

	Number of the surveyed houses, total, unit	<i>including</i>			
		Construction work has been undertaken		Absolutely, no construction work has been done	
		total, unit	as a % of the total	total, unit	as a % of the total
Total	1618	1557	96.2	61	3.8
<i>including</i> Yerevan city	1072	1011	94.3	61	5.7
Aragatsotn	90	90	100	-	-
Ararat	149	149	100	-	-
Armavir	90	90	100	-	-
Kotayk	217	217	100	-	-

It is noteworthy that according to the survey results the construction work has been begun in the great majority - 96.2% - of the surveyed houses, while absolutely no construction work has been begun in 3.8%. The latest indicator is typical of Yerevan city, only. Meanwhile, in the other four Marzes construction work had begun on all the properties included in the survey.

Further information of the stage of development of those houses where construction had been started (at the time of interview) is given on the following table:

unit

	Total	including			
		Construction work was going ahead at the time of the interview	Construction work had stopped at the time of the interview	including	
				Construction has been temporarily stopped	Construction completed
Total	1557	821	736	326	410
<i>including</i> Yerevan city	1011	492	519	234	285
Aragatsotn	90	48	42	28	14
Ararat	149	106	43	3	40
Armavir	90	61	29	8	21
Kotayk	217	114	103	53	50

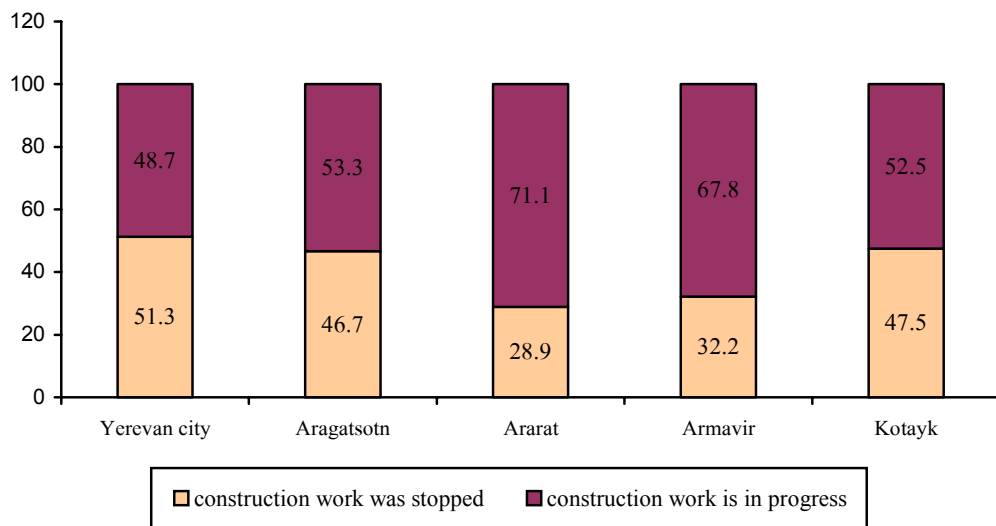
Out of the 1557 surveyed houses, where construction work has begun, only in 821 cases or 52.7 % the construction work was going ahead at the time of interview. Meanwhile, the mentioned indicator has the following distribution by marzes: in Ararat - 71.1%, Armavir - 67.8%, Aragatsotn - 53.3%, Kotayk - 52.5% and Yerevan city - 48.7 % (Annex 1, tables 1, 2, 3).

According to the survey results, no construction work was going ahead at the time of the interview in 736 houses, which comprise 47.3 % of the total (Annex 1, tables 1, 2, 3). The absence of the construction work was caused by the fact that construction work has temporarily stopped at different completeness levels of the building - 44.3 %, as well as by the fact that the building has been fully complete or operated - 55.7 %. This indicator is highest in Ararat marz - 93.0 % and Armavir marz - 72.4 %, while the lowest observed value was registered in Kotayk and Aragatsotn marzes - 48.5 % and 33.3 %, respectively.

Indicators characterizing the progress of construction work in the various marzes is presented in Diagram 1:

Diagram 1. Indicators on the progress of construction work by marz

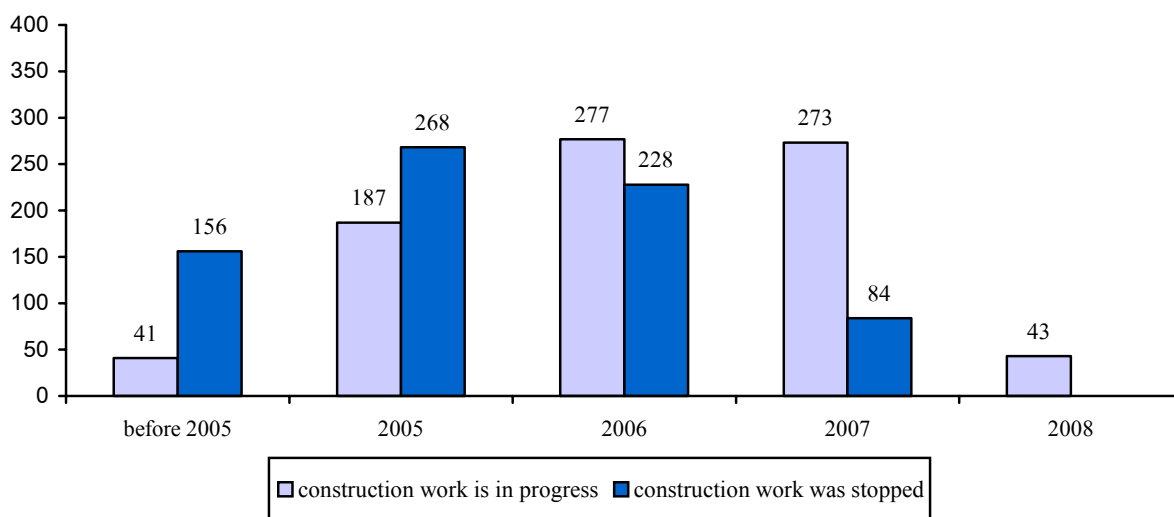
%



An analysis of the progress of construction work based on the period when construction started is presented in the Diagram 2.

Diagram 2. Progress of Construction work based on the year when construction started

Unit



67% of the total houses (where construction was in progress at the time of the survey) had mostly been started in 2006 and 2007.

%

	Total	the year work started				
		before 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
Total	100	12.7	29.2	32.4	22.9	2.8
<i>including</i> construction work is ongoing	100	5.0	22.8	33.7	33.3	5.2
construction work has stopped	100	21.2	36.4	31.0	11.4	-

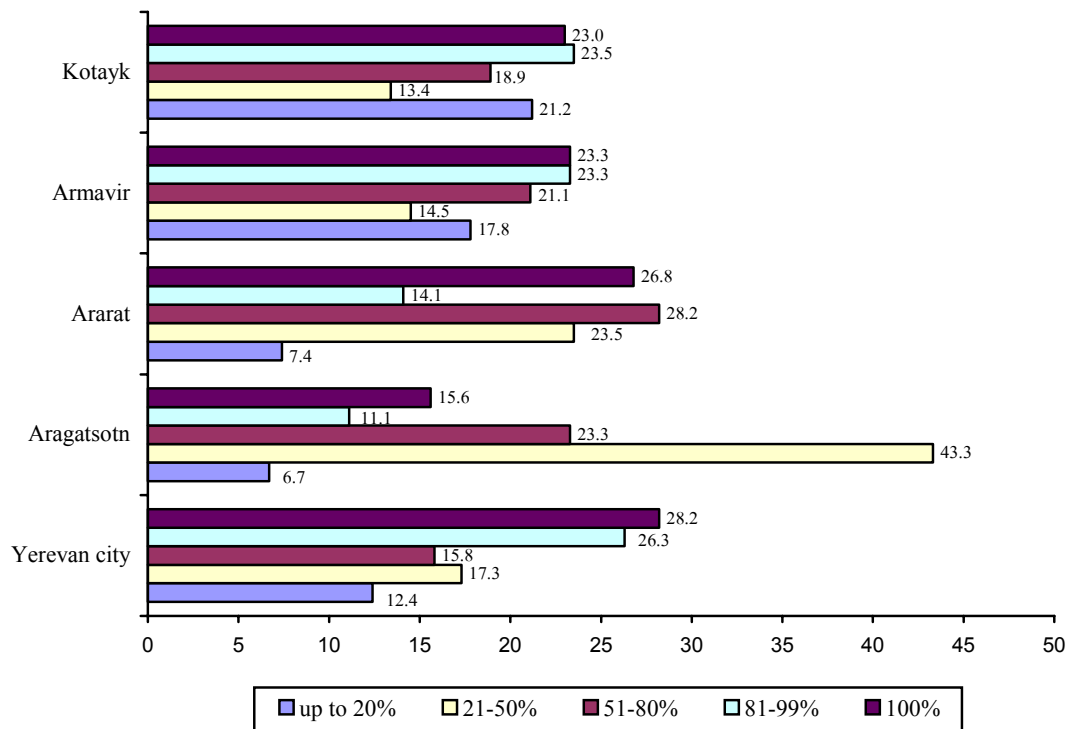
The above patterns are typical of progress of house construction developments in Yerevan city, Aragatsotn and Armavir marzes (Annex 1, tables 7, 8).

Observation on the levels of **completeness of the building**, which is extremely important for establishing the register of houses and monitoring the further construction work process of the buildings, showed that buildings which were more than 80% complete comprised 50 % of the total. The buildings being complete by 20%, 21-50% and 51-80% comprised lower share in the population of the surveyed buildings, which made up 13.1%, 18.7% and 18.2 %, respectively. In general, the mentioned description is typical of one in case of marz observation (Annex 1, tables 9, 10, 11).

Distribution of completeness of the buildings by marzes is presented in the Diagram 3.

Diagram 3. Distribution of the levels of completeness of the buildings by marzes

%

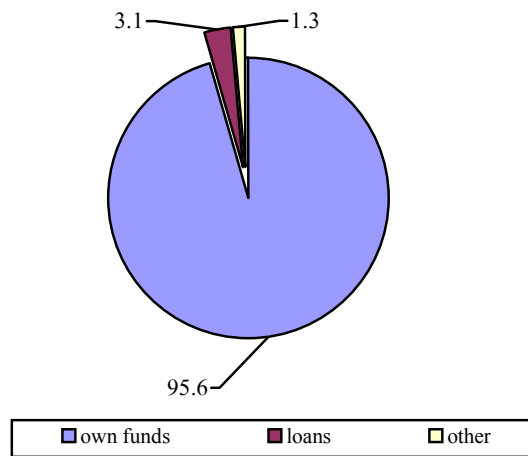


Clearly the proportion of those buildings which are fully complete and occupied is higher for those buildings which started construction work up to 2005. The figures suggest that the average period for the house construction is at least 2-3 years and that most of the completed houses were one-storey and two-storey buildings, which comprised 25.1% and 52.9 % of the total, respectively (Annex 1, Table 30).

Significant investments are required for house construction and either householders' own funds or loans were the most likely sources of finances. Most of the costs for the house construction were made directly from the householder's own funds - 95.6 %, while the costs on loan comprised 3.1 %. This is illustrated in Diagram 4.

Diagram 4. Sources of finance for house construction

%

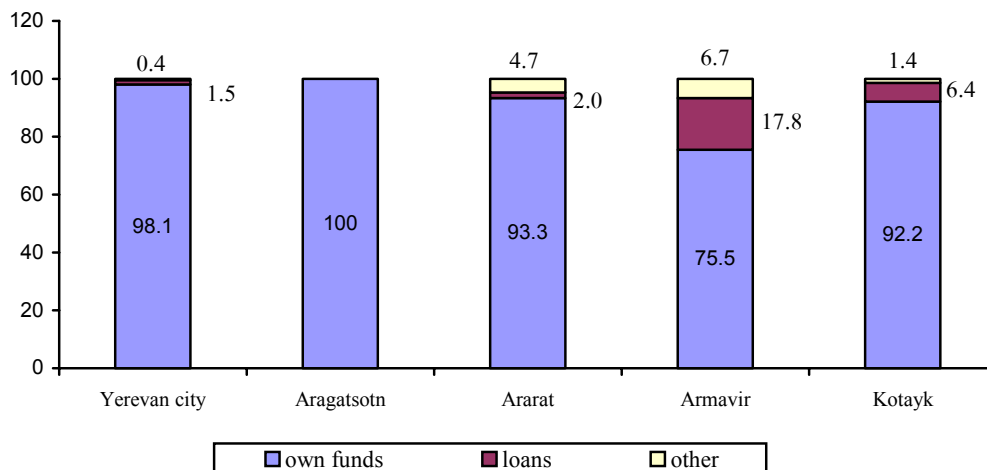


98.1 % of the construction work in Yerevan city was made at the expense of own funds, and 1.5 % – on loans. Comparable figures in Ararat, Armavir and Kotayk marzes, were 93.3% and 2.0%, 75.5% and 17.8%, 92.2% and 6.4 % respectively. The Aragatsotn marz was the exception, where the construction was completely made at the expense of own funds only (Annex 1, tables 15, 16 and 17).

Financial sources for house construction by marzes are presented in the Diagram 5.

Diagram 5. Sources of finance for house construction by marzes

%



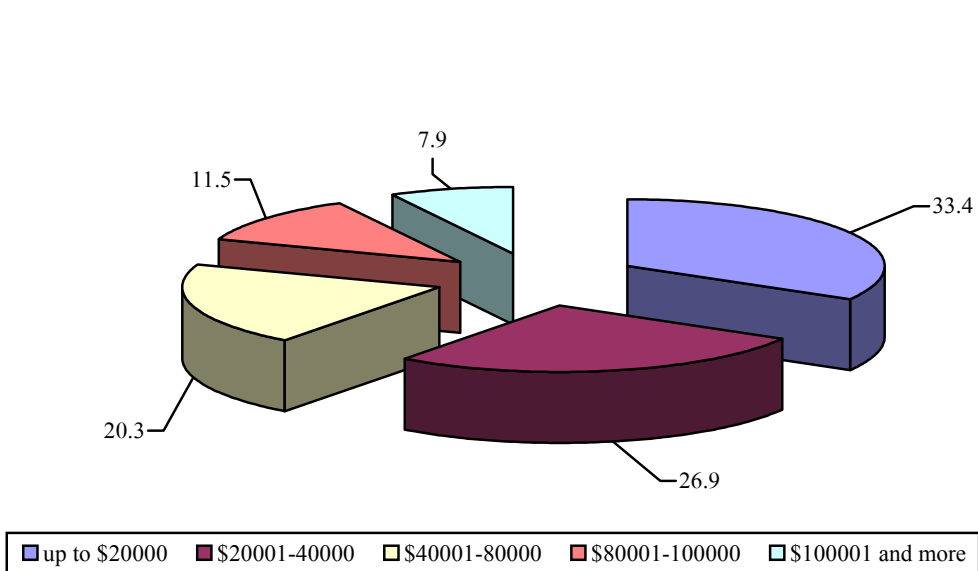
In general, **the costs** for construction of the houses is characterised by the following proportions:

- up to 20000 US dollar (hereinafter USD) - 27.0%,
- 20001-40000 USD - 24.5%,
- 40001-80000 USD - 20.7%,
- 80001-100000 USD - 14.7%,
- 100001 USD and more - 13.1 % (Annex 1, tables 18, 19 and 20).

The more expensive houses were built in Yerevan city. 74.2% of house in the survey in the 40001 to 80000 USD band were in Yerevan, 86.9% of 80001-100000 USD band houses were in Yerevan - and 96.1 % of valued at more than 100000 USD were in Yerevan.

Among the houses, which were at different levels of partial completeness, those whose costs for construction were up to 20000 USD (33.4%) and 20001-40000 USD (26.9%) were most prevalent. These figures are presented in the Diagram 6:

Diagram 6. Distribution of partially complete houses by costs



The survey aimed to study such important characteristics of house construction as the number of **storeys** of the building and its **floor space**. Construction of two- and one-storey buildings was mostly prevalent, comprising 52.3% and 30.6%, respectively. The total distribution of houses, by numbers of storeys, is presented in the table below (and in Annex 1, tables 21, 22 and 23).

	Number of houses, unit	as a % of the total
Total	1557	100
<i>Including</i>		
One storey	476	30.6
Two-storey	815	52.3
Three-storey	238	15.3
Four and more storeys	28	1.8

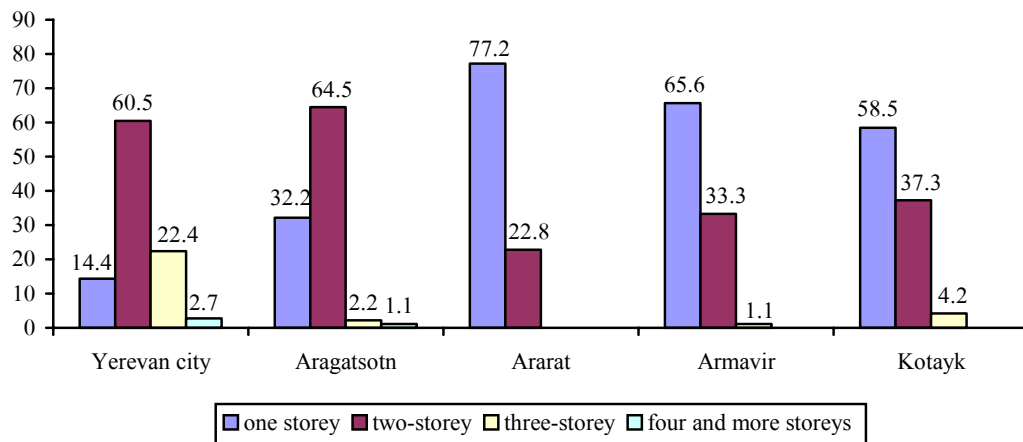
(When observing unfinished buildings, the number of storeys was that registered at the planning stage).

When observing the number of storeys of the buildings by marz breakdown, it is noteworthy, that one- and two-storey buildings are mainly constructed in all marzes, except Yerevan city. In Yerevan city two- and three-storey buildings were prevalent, and which comprised 60.5 % and 22.4%, accordingly.

Analysis of the number of storeys of houses is presented for each of the marzes below in Diagram 7:

Diagram 7. Distribution of the houses by storeys in marzes

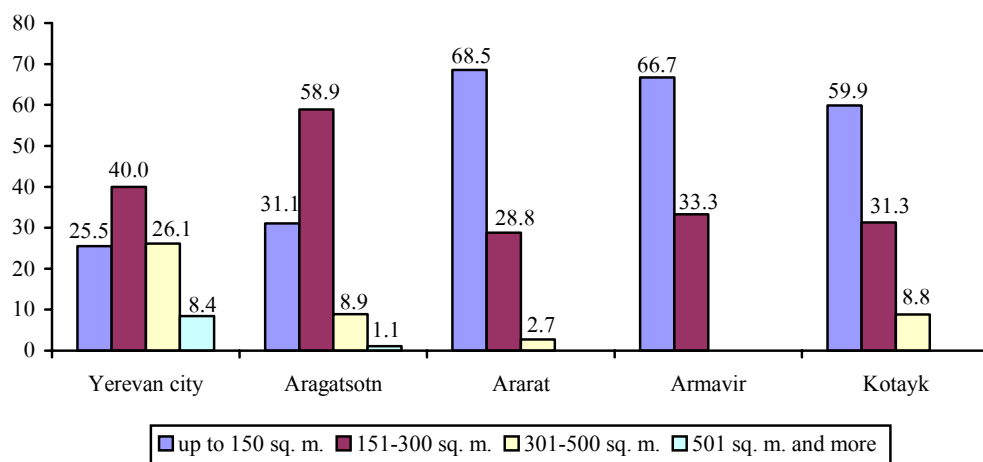
%



Most buildings under construction have **floor space** of up to 150 (37.1%) and 151-300 sq.m (38.4%) (Annex 1, tables 27, 28 and 29). Analysis of **floor space** is set out below in Diagram 8.

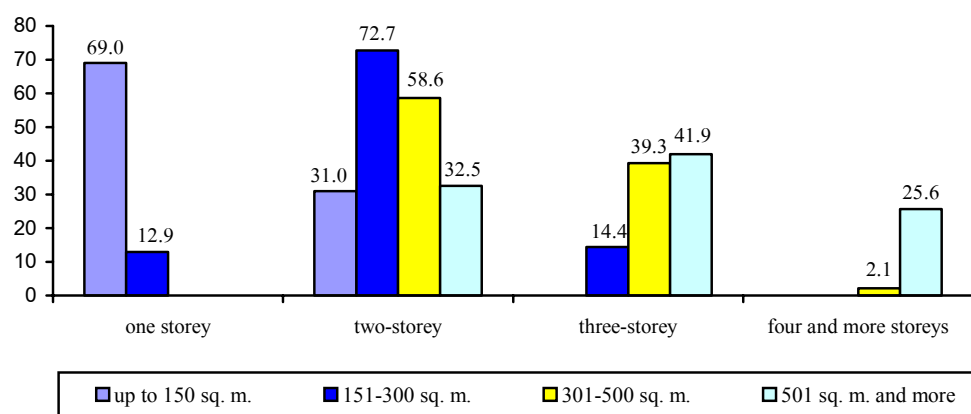
Diagram 8. Structure of the houses by total floor spaces, in marzes

%



The total floor spaces of the houses being built is directly correlated with the number of storeys of the buildings. This is confirmed by the fact that among the houses, as it has already been mentioned, one- and two-storey buildings are prevalent. Diagram 9 reflects the interrelationship between the number of storeys and the floor spaces of the building.

Diagram 9. Total floor space by number of storeys, %



The availability of the basements and lofts was also reported in the survey. According to the survey results, houses are usually built with basement or with loft space. In fact there are comparatively few houses, which are built without basement or loft (Annex 1, tables 24, 25 and 26). The data presented in the table below represent the provision of the houses with basements and or lofts, which comprised 75.2 % of the total:

	Total	Including					%
		Yerevan city	Aragatsotn	Ararat	Armavir	Kotayk	
Total	100	100	100	100	100	100	
<i>of which</i>							
Basement and loft	28.3	37.5	13.3	6.7	18.9	10.6	
Only basement	38.9	35.2	37.8	42.9	51.1	48.8	
Only loft	8.0	10.5	3.3	2.7	3.3	3.7	
without basement and loft	24.8	16.8	45.6	47.7	26.7	36.9	

All the four-storey houses are built either with basement or loft or with both together. Two- and three-storey buildings are comparatively provided with such features as well, which comprised 77.5 % and 87.4 %, and for one-storey buildings it comprised 63.7%.

The data presented in the table below describe the provision of the several storey houses with basements and lofts:

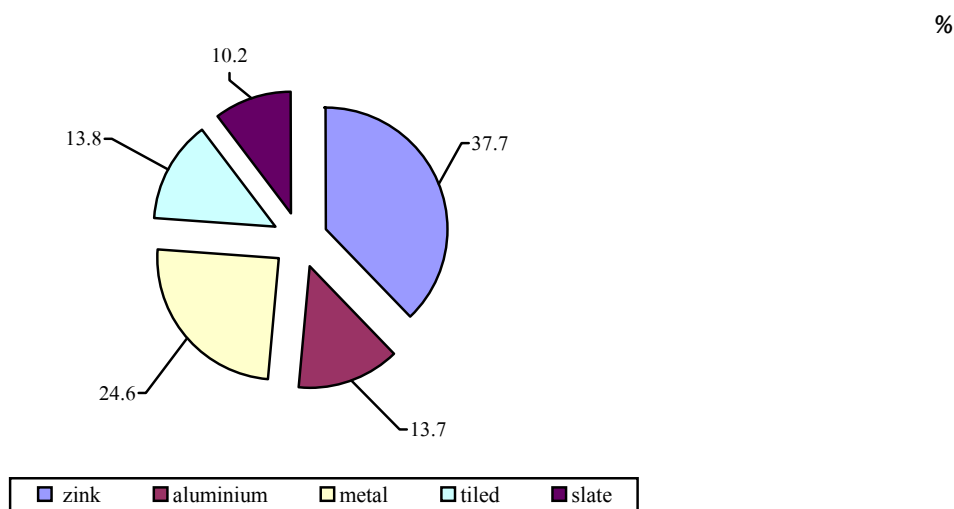
	Total	Including				%
		Basement and loft	Only basement	Only loft	without basement and loft	
A	1	2	3	4	5	
Total	100	28.3	38.9	8.0	24.8	
<i>including</i>						
One storey	100	9.9	48.5	5.3	36.3	
Two-storey	100	29.9	37.5	10.1	22.5	
Three-storey	100	59.3	23.5	4.6	12.6	
Four and more storeys	100	32.2	46.4	21.4	-	

Analysis of houses by **storey height** and **types of walls**, showed that the buildings, whose storey height was between 2.8 m - 3 m, comprised 65.8% of those houses included in the survey. (Annex 1, tables 32, 33 and 34). Buildings having storeys of 3 m height are mostly built in Yerevan city.

With regard to the types of walls, 96.5 % were built of stone. The percentage of the buildings built with other materials is relatively insignificant. For example, the buildings built of pumice block made up 0.9 % of the total, and those built of concrete block - 0.8 % (Annex 1, tables 35, 36 and 37). Houses in Armavir marz were predominantly built of stone. Concrete blocks were mostly used in Aragatsotn and Ararat marzes, comprising 2.4% and 1.5%, respectively, while the pumice blocks – in Aragatsotn marz (1.2%) and in Yerevan city (1.1%).

Important characteristics of houses are types of **roof**, **doors**, **windows** and **floor**. The Diagram 10 describes structure of the house distribution by types of roof:

Diagram 10. The main types of roofs of the houses



As can be seen from data of the Diagram 10, zink- and metal-coated roofs are used much more than other materials, with 37.7% and 24.6%, respectively. Zink-coated roofs are prevalent in all marzes. The metal-coated roofs are mostly used in Yerevan city (30.2%) and Kotayk marz (25.4%), the tile- and aluminium-coated ones - in Aragatsotn marz and Yerevan city, comprising 30.4% and 16.2%, 8.9% and 17.9% respectively, and the slated ones – in Ararat marz (42.7%) and Armavir marz (14.1%) (Annex 1, tables 38, 39 and 40).

An analysis of the materials used in the construction of doors³, windows and floors is set out in the table below:

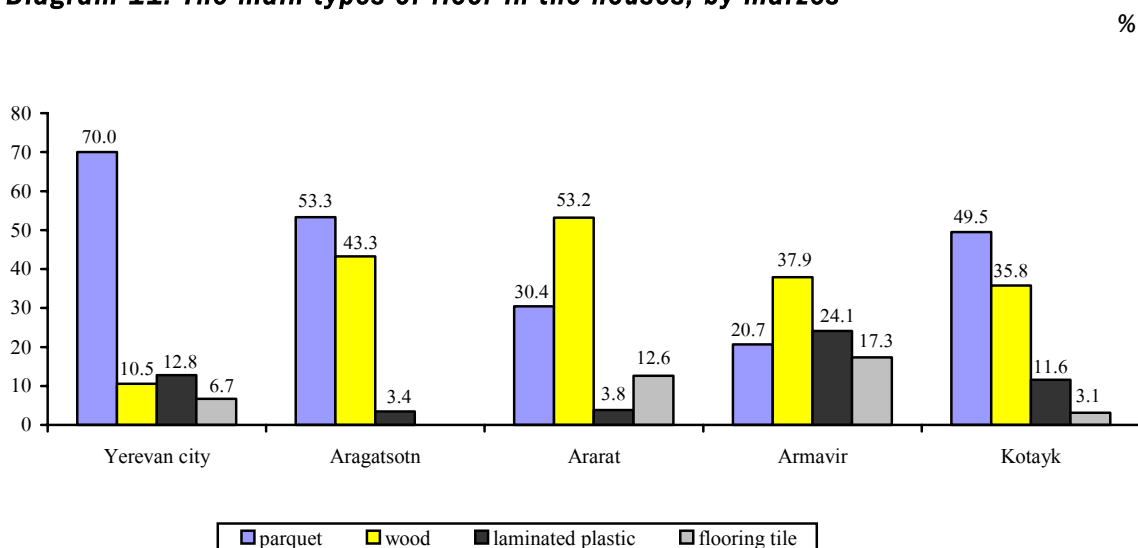
	Doors	Windows	Floors
Total	100	100	100
<i>including</i>			
wood	62.0	32.1	19.5
metal-base laminate	36.5	65.0	0
aluminium	1.5	2.9	0
parquet	0	0	61.6
laminated plastic	0	0	11.9
flooring tile	0	0	7.0

³ Placed inside the houses.

The main type of the doors in the houses is of wood and metal-base laminate, which makes up 62.0% and 36.5%, respectively. Unlike the doors, the windows are mainly of metal-base laminate (65.0%) and wood (32.1%).

As a main construction material parquet has been used for covering the floor in the houses, in 61.6 % of the total number of houses. Usage of wood, laminated plastic and flooring tile made up 19.5%, 11.9% and 7.0%, respectively. However the use of different types of construction material for floor coverings varies between different marzes and this is reflected in the analysis in Diagram 11.

Diagram 11. The main types of floor in the houses, by marzes



Some characteristics of newly built houses for example the equipping **of the buildings with heating systems** and **improving the building plot** are more typical of completed houses.

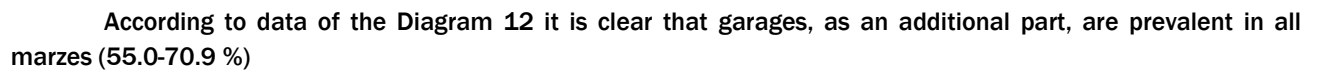
The survey results show that provision of the buildings with engineered utilities is rather high in completed buildings. Provision of buildings with water and electricity comprised 100 %, with gas – 90.0%, with sewerage - 84.1%. Aragatsotn marz is an exception in the general description of the buildings' provision with sewerage. In this marz it only comprised 21.4 % (Annex 1, tables 50, 51 and 52).

98.9 % of houses have an individual heating system - (Annex 1, tables 53, 54 and 55).

The survey shows the following works have been done to generally improve the building's plot: refuse or soil, levelling, planting of greenery, installation of patio (Annex 1, tables 56, 57 and 58).

The completed buildings, as a rule, are also provided with additional facilities such as garage, swimming pool, tonratoon and agricultural building, the general description of which is presented in the Diagram 12 (Annex 1, tables 59, 60 and 61).

%



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- to increase completeness and quality of the information on houses,
- to complement the database on house construction within the official statistics with new indicators, particularly storey height of the buildings, types of walls, roof, floor, windows and doors, provision with engineering outfits, etc.
- to study marz (regional) structure and volumes of house construction and its peculiarities,
- to form a register for newly built houses.

ANNEX 1

(TABLES)

Table 1

Construction work progress by marzes

(unit)

	Total	including	
		construction work is ongoing	construction work has stopped
A	1	2	3
Total	1557	821	736
<i>including</i> Yerevan city	1011	492	519
Aragatsotn	90	48	42
Ararat	149	106	43
Armavir	90	61	29
Kotayk	217	114	103

Table 2

Structure of construction work progress by marzes

(%)

	Total	including	
		construction work is ongoing	construction work has stopped
A	1	2	3
Total	100	52.7	47.3
<i>including</i> Yerevan city	100	48.7	51.3
Aragatsotn	100	53.3	46.7
Ararat	100	71.1	28.9
Armavir	100	67.8	32.2
Kotayk	100	52.5	47.5

Table 3

Distribution structure of construction work progress by marzes

(%)

	Total	including	
		construction work is ongoing	construction work has stopped
A	1	2	3
Total	100	100	100
<i>including</i> Yerevan city	64.9	59.9	70.5
Aragatsotn	5.8	5.9	5.7
Ararat	9.6	12.9	5.8
Armavir	5.8	7.4	4.0
Kotayk	13.9	13.9	14.0

Table 4

The period house construction started, by marzes

(unit)

	Total	including				
		up to 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
Total	1557	197	455	505	357	43
<i>including</i> Yerevan city	1011	157	277	346	207	24
Aragatsotn	90	6	16	27	34	7
Ararat	149	19	47	49	30	4
Armavir	90	5	29	26	28	2
Kotayk	217	10	86	57	58	6

Table 5

Structure of the period house construction started, by marzes

(%)

	Total	including				
		up to 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
Total	100	12.7	29.2	32.4	22.9	2.8
<i>including</i> Yerevan city	100	15.5	27.4	34.2	20.5	2.4
Aragatsotn	100	6.6	17.8	30.0	37.8	7.8
Ararat	100	12.8	31.5	32.9	20.1	2.7
Armavir	100	5.6	32.2	28.9	31.1	2.2
Kotayk	100	4.6	39.6	26.3	26.7	2.8

Table 6

Distribution structure of the period house construction started, by marzes

(%)

	Total	including				
		up to 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
Total	100	100	100	100	100	100
<i>including</i> Yerevan city	64.9	79.7	60.9	68.5	58.0	55.8
Aragatsotn	5.8	3.1	3.5	5.4	9.5	16.3
Ararat	9.6	9.6	10.3	9.7	8.4	9.3
Armavir	5.8	2.5	6.4	5.1	7.8	4.6
Kotayk	13.9	5.1	18.9	11.3	16.3	14.0

Table 7

Construction work progress by the period construction started, by marzes

(unit)

	Total	including				
		up to 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
Total	1557	197	455	505	357	43
<i>including</i>						
construction work is ongoing	821	41	187	277	273	43
construction work has stopped	736	156	268	228	84	-
<i>including</i>						
Yerevan	1011	157	277	346	207	24
<i>including</i>						
construction work is ongoing	492	35	100	176	157	24
construction work has stopped	519	122	177	170	50	-
Aragatsotn	90	6	16	27	34	7
<i>including</i>						
construction work is ongoing	48	1	3	12	25	7
construction work has stopped	42	5	13	15	9	-
Ararat	149	19	47	49	30	4
<i>including</i>						
construction work is ongoing	106	4	33	39	26	4
construction work has stopped	43	15	14	10	4	-
Armavir	90	5	29	26	28	2
<i>including</i>						
construction work is ongoing	61	-	14	21	24	2
construction work has stopped	29	5	15	5	4	-
Kotayk	217	10	86	57	58	6
<i>including</i>						
construction work is ongoing	114	1	37	29	41	6
construction work has stopped	103	9	49	28	17	-

Table 8

Distribution structure of construction work progress by the period construction started, by marzes

(%)

A	Total	including				
		up to 2005	2005	2006	2007	2008
	1	2	3	4	5	6
Total	100	100	100	100	100	100
<i>including</i>						
construction work is ongoing	52.7	20.8	41.1	54.9	76.5	100
construction work has stopped	47.3	79.2	58.9	45.1	23.5	-
<i>including</i>						
Yerevan	100	100	100	100	100	100
<i>including</i>						
construction work is ongoing	48.7	22.3	36.1	50.9	75.8	100
construction work has stopped	51.3	77.7	63.9	49.1	24.2	-
Aragatsotn	100	100	100	100	100	100
<i>including</i>						
construction work is ongoing	53.3	16.7	18.8	44.4	73.5	100
construction work has stopped	46.7	83.3	81.2	55.6	26.5	-
Ararat	100	100	100	100	100	100
<i>including</i>						
construction work is ongoing	71.1	21.1	70.2	79.6	86.7	100
construction work has stopped	28.9	78.9	29.8	20.4	13.3	-
Armavir	100	100	100	100	100	100
<i>including</i>						
construction work is ongoing	67.8	-	48.3	80.8	85.7	100
construction work has stopped	32.2	100	51.7	19.2	14.3	-
Kotayk	100	100	100	100	100	100
<i>including</i>						
construction work is ongoing	52.5	10.0	43.0	50.9	70.7	100
construction work has stopped	47.5	90.0	57.0	49.1	29.3	-

Table 9

Level of completeness of the houses, by marzes

(unit)

A	Total	including				
		up to 20%	21 - 50%	51 - 80%	81 - 99%	100% ¹
	1	2	3	4	5	6
Total	1557	204	291	283	369	410
<i>including</i>						
Yerevan city	1011	125	175	160	266	285
Aragatsotn	90	6	39	21	10	14
Ararat	149	11	35	42	21	40
Armavir	90	16	13	19	21	21
Kotayk	217	46	29	41	51	50

¹ Here and hereinafter this indicator describes the operated houses.

Table 10

Structure of the level of completeness of the houses, by marzes

(%)

	Total	including				
		up to 20%	21 - 50%	51 - 80%	81 - 99%	100%
A	1	2	3	4	5	6
Total	100	13.1	18.7	18.2	23.7	26.3
<i>including</i>						
Yerevan city	100	12.4	17.3	15.8	26.3	28.2
Aragatsotn	100	6.7	43.3	23.3	11.1	15.6
Ararat	100	7.4	23.5	28.2	14.1	26.8
Armavir	100	17.8	14.5	21.1	23.3	23.3
Kotayk	100	21.2	13.4	18.9	23.5	23.0

Table 11

Distribution structure of the level of completeness of the houses, by marzes

(%)

	Total	including				
		up to 20%	21 - 50%	51 - 80%	81 - 99%	100%
A	1	2	3	4	5	6
Total	100	100	100	100	100	100
<i>including</i>						
Yerevan city	64.9	61.2	60.1	56.5	72.1	69.5
Aragatsotn	5.8	2.9	13.4	7.4	2.7	3.4
Ararat	9.6	5.4	12.0	14.9	5.7	9.8
Armavir	5.8	7.8	4.5	6.7	5.7	5.1
Kotayk	13.9	22.7	10.0	14.5	13.8	12.2

Table 12

Level of completeness of the houses by the period construction started, by marzes

(unit)

	Total	including				
		up to 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
Total	1557	197	455	505	357	43
<i>including by completeness</i>						
up to 20%	204	5	30	35	101	33
21 - 50%	291	21	63	95	106	6
51 - 80%	283	16	83	118	64	2
81 - 99%	369	49	141	127	50	2
100%	410	106	138	130	36	-
<i>including</i>						
Yerevan	1011	157	277	346	207	24
<i>including by completeness</i>						
up to 20%	125	3	15	24	63	20
21 - 50%	175	18	34	63	57	3
51 - 80%	160	13	40	63	44	-
81 - 99%	266	48	90	100	27	1
100%	285	75	98	96	16	-

	Total	including				
		up to 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
Aragatsotn	90	6	16	27	34	7
<i>including by completeness</i>						
up to 20%	6	-	2	0	2	2
21 - 50%	39	-	11	10	16	2
51 - 80%	21	2	3	8	6	2
81 - 99%	10	-	-	3	6	1
100%	14	4	-	6	4	-
Ararat	149	19	47	49	30	4
<i>including by completeness</i>						
up to 20%	11	1	2	1	4	3
21 - 50%	35	3	8	6	17	1
51 - 80%	42	-	11	28	3	-
81 - 99%	21	-	13	6	2	-
100%	40	15	13	8	4	-
Armavir	90	5	29	26	28	2
<i>including by complete</i>						
up to 20%	16	-	3	4	7	2
21 - 50%	13	-	4	4	5	-
51 - 80%	19	-	5	8	6	-
81 - 99%	21	-	6	7	8	-
100%	21	5	11	3	2	-
Kotayk	217	10	86	57	58	6
<i>including by completeness</i>						
up to 20%	46	1	8	6	25	6
21 - 50%	29	-	6	12	11	-
51 - 80%	41	1	24	11	5	-
81 - 99%	51	1	32	11	7	-
100%	50	7	16	17	10	-

Table 13

Structure of the level of completeness of the houses by the period construction started, by marzes

(%)

	Total	including				
		up to 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
Total	100	12.7	29.2	32.4	22.9	2.8
<i>including by completeness</i>						
up to 20%	100	2.4	14.7	17.2	49.5	16.2
21 - 50%	100	7.2	21.7	32.6	36.4	2.1
51 - 80%	100	5.7	29.3	41.7	22.6	0.7
81 - 99%	100	13.3	38.2	34.4	13.6	0.5
100%	100	25.8	33.7	31.7	8.8	-
<i>including</i>						
Yerevan	100	15.5	27.4	34.2	20.5	2.4
<i>including by completeness</i>						
up to 20%	100	2.4	12.0	19.2	50.4	16.0
21 - 50%	100	10.3	19.4	36.0	32.6	1.7
51 - 80%	100	8.1	25.0	39.4	27.5	-
81 - 99%	100	18.0	33.8	37.6	10.2	0.4
100%	100	26.3	34.4	33.7	5.6	-

	Total	including				
		up to 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
Aragatsotn	100	6.6	17.8	30.0	37.8	7.8
<i>including by completeness</i>						
up to 20%	100	-	33.4	0.0	33.3	33.3
21 - 50%	100	-	28.2	25.7	41.0	5.1
51 - 80%	100	9.5	14.3	38.1	28.6	9.5
81 - 99%	100	-	-	30.0	60.0	10.0
100%	100	28.6	-	42.8	28.6	-
Ararat	100	12.8	31.5	32.9	20.1	2.7
<i>including by completeness</i>						
up to 20%	100	9.1	18.2	9.1	36.3	27.3
21 - 50%	100	8.6	22.8	17.1	48.6	2.9
51 - 80%	100	-	26.2	66.7	7.1	-
81 - 99%	100	-	61.9	28.6	9.5	-
100%	100	37.5	32.5	20.0	10.0	-
Armavir	100	5.6	32.2	28.9	31.1	2.2
<i>including by complete</i>						
up to 20%	100	-	18.7	25.0	43.8	12.5
21 - 50%	100	-	30.8	30.8	38.4	-
51 - 80%	100	-	26.3	42.1	31.6	-
81 - 99%	100	-	28.6	33.3	38.1	-
100%	100	23.8	52.4	14.3	9.5	-
Kotayk	100	4.6	39.6	26.3	26.7	2.8
<i>including by completeness</i>						
up to 20%	100	2.2	17.4	13.1	54.3	13.0
21 - 50%	100	-	20.7	41.4	37.9	-
51 - 80%	100	2.5	58.5	26.8	12.2	-
81 - 99%	100	2.0	62.7	21.6	13.7	-
100%	100	14.0	32.0	34.0	20.0	-

Table 14

Distribution structure of the level of completeness of the houses by the period construction started, by marzes (%)

	Total	including				
		up to 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
Total	100	100	100	100	100	100
<i>including by completeness</i>						
up to 20%	13.1	2.5	6.6	6.9	28.3	76.7
21 - 50%	18.7	10.7	13.8	18.8	29.7	13.9
51 - 80%	18.2	8.1	18.3	23.4	17.9	4.7
81 - 99%	23.7	24.9	31.0	25.1	14.0	4.7
100%	26.3	53.8	30.3	25.8	10.1	-
<i>including</i>						
Yerevan	100	100	100	100	100	100
<i>including by completeness</i>						
up to 20%	12.4	1.9	5.4	6.9	30.4	83.3
21 - 50%	17.3	11.4	12.3	18.2	27.5	12.5
51 - 80%	15.8	8.3	14.4	18.2	21.3	-
81 - 99%	26.3	30.6	32.5	28.9	13.1	4.2

	Total	including				
		up to 2005	2005	2006	2007	2008
A	1	2	3	4	5	6
100%	28.2	47.8	35.4	27.8	7.7	-
Aragatsotn	100	100	100	100	100	100
<i>including by completeness</i>						
up to 20%	6.7	-	12.5	-	5.9	28.6
21 - 50%	43.3	-	68.8	37.0	47.1	28.6
51 - 80%	23.3	33.3	18.7	29.7	17.6	28.6
81 - 99%	11.1	-	-	11.1	17.6	14.2
100%	15.6	66.7	-	22.2	11.8	-
Ararat	100	100	100	100	100	100
<i>including by completeness</i>						
up to 20%	7.4	5.3	4.2	2.1	13.3	75.0
21 - 50%	23.5	15.8	17.0	12.2	56.7	25.0
51 - 80%	28.2	-	23.4	57.2	10.0	-
81 - 99%	14.1	-	27.7	12.2	6.7	-
100%	26.8	78.9	27.7	16.3	13.3	-
Armavir	100	100	100	100	100	100
<i>including by complete</i>						
up to 20%	17.8	-	10.4	15.4	25.0	100
21 - 50%	14.5	-	13.8	15.4	17.9	-
51 - 80%	21.1	-	17.2	30.8	21.4	-
81 - 99%	23.3	-	20.7	26.9	28.6	-
100%	23.3	100	37.9	11.5	7.1	-
Kotayk	100	100	100	100	100	100
<i>including by completeness</i>						
up to 20%	21.2	10.0	9.3	10.5	43.1	100
21 - 50%	13.4	-	7.0	21.1	19.0	-
51 - 80%	18.9	10.0	27.9	19.3	8.6	-
81 - 99%	23.5	10.0	37.2	19.3	12.1	-
100%	23.0	70.0	18.6	29.8	17.2	-

Table 15

Sources of finance for house construction, by marzes

(unit)

A	Total	including funded by		
		Loans	Own funds	Other
	1	2	3	4
Total	1557	48	1489	20
<i>including</i> Yerevan city	1011	15	992	4
Aragatsotn	90	0	90	-
Ararat	149	3	139	7
Armavir	90	16	68	6
Kotayk	217	14	200	3

Table 16

Structure of sources of finance for house construction, by marzes

(%)

	Total	including funded by		
		Loans	Own funds	Other
A	1	2	3	4
Total	100	3.1	95.6	1.3
<i>including</i> Yerevan city	100	1.5	98.1	0.4
Aragatsotn	100	0.0	100	-
Ararat	100	2.0	93.3	4.7
Armavir	100	17.8	75.5	6.7
Kotayk	100	6.4	92.2	1.4

Table 17

Distribution structure of sources of finance for house construction, by marzes

(%)

	Total	including funded by		
		Loans	Own funds	Other
A	1	2	3	4
Total	100	100	100	100
<i>including</i> Yerevan city	64.9	31.2	66.6	20.0
Aragatsotn	5.8	0.0	6.0	-
Ararat	9.6	6.3	9.3	35.0
Armavir	5.8	33.3	4.6	30.0
Kotayk	13.9	29.2	13.5	15.0

Table 18

Financial costs of house construction, by marzes

(unit)

	Total	including				
		up to \$20.000	\$20.001 - \$40.000	\$40.001 - \$80.000	\$80.001 - \$100.000	\$100.001 and more
A	1	2	3	4	5	6
Total	1557	420	381	322	229	205
<i>including</i> Yerevan city	1011	159	217	239	199	197
Aragatsotn	90	46	31	9	2	2
Ararat	149	77	48	17	5	2
Armavir	90	49	24	8	7	2
Kotayk	217	89	61	49	16	2

Table 19

Structure of houses by financial costs of construction, by marzes

(%)

	Total	including				
		up to \$20.000	\$20.001 - \$40.000	\$40.001 - \$80.000	\$80.001 - \$100.000	\$100.001 and more
A	1	2	3	4	5	6
Total	100	27.0	24.5	20.7	14.7	13.1
<i>including</i> Yerevan city	100	15.7	21.5	23.6	19.7	19.5
Aragatsotn	100	51.1	34.5	10.0	2.2	2.2
Ararat	100	51.7	32.2	11.4	3.4	1.3
Armavir	100	54.4	26.7	8.9	7.8	2.2
Kotayk	100	41.0	28.1	22.6	7.4	0.9

Table 20

Distribution structure of houses by financial costs of construction, by marzes

(%)

	Total	including				
		up to \$20.000	\$20.001 - \$40.000	\$40.001 - \$80.000	\$80.001 - \$100.000	\$100.001 and more
A	1	2	3	4	5	6
Total	100	100	100	100	100	100
<i>including</i> Yerevan city	64.9	37.8	57.0	74.2	86.9	96.1
Aragatsotn	5.8	11.0	8.1	2.8	0.9	0.9
Ararat	9.6	18.3	12.6	5.3	2.1	1.0
Armavir	5.8	11.7	6.3	2.5	3.1	1.0
Kotayk	13.9	21.2	16.0	15.2	7.0	1.0

Table 21

Number of storeys of houses, by marzes

(unit)

	Total	including			
		One storey	Two-storey	Three-storey	Four and more storeys
A	1	2	3	4	5
Total	1557	476	815	238	28
<i>including</i> Yerevan city	1011	146	612	226	27
Aragatsotn	90	29	58	2	1
Ararat	149	115	34	-	-
Armavir	90	59	30	1	-
Kotayk	217	127	81	9	-

Table 22

Structure of storeys of houses, by marzes

(%)

	Total	including			
		One storey	Two-storey	Three-storey	Four and more storeys
A	1	2	3	4	5
Total	100	30.6	52.3	15.3	1.8
<i>including</i> Yerevan city	100	14.4	60.5	22.4	2.7
Aragatsotn	100	32.2	64.5	2.2	1.1
Ararat	100	77.2	22.8	-	-
Armavir	100	65.6	33.3	1.1	-
Kotayk	100	58.5	37.3	4.2	-

Table 23

Distribution structure of storeys of houses, by marzes

(%)

	Total	including			
		One storey	Two-storey	Three-storey	Four and more storeys
A	1	2	3	4	5
Total	100	100	100	100	100
<i>including</i> Yerevan city	64.9	30.7	75.1	95.0	96.4
Aragatsotn	5.8	6.1	7.1	0.8	3.6
Ararat	9.6	24.1	4.2	-	-
Armavir	5.8	12.4	3.7	0.4	-
Kotayk	13.9	26.7	9.9	3.8	-

Table 24

Availability of basement and loft in the houses, by marzes

(unit)

	Total	including			
		Basement and loft	Basement	Loft	Without basement and loft
A	1	2	3	4	5
Total	1557	441	606	124	386
<i>including</i> Yerevan city	1011	379	356	106	170
Aragatsotn	90	12	34	3	41
Ararat	149	10	64	4	71
Armavir	90	17	46	3	24
Kotayk	217	23	106	8	80

Table 25

Structure of availability of basement and loft in the houses, by marzes

(%)

	Total	including			
		Basement and loft	Basement	Loft	Without basement and loft
A	1	2	3	4	5
Total	100	28.3	38.9	8.0	24.8
<i>including</i> Yerevan city	100	37.5	35.2	10.5	16.8
Aragatsotn	100	13.3	37.8	3.3	45.6
Ararat	100	6.7	42.9	2.7	47.7
Armavir	100	18.9	51.1	3.3	26.7
Kotayk	100	10.6	48.8	3.7	36.9

Table 26

Distribution structure of availability of basement and loft in the houses, by marzes

(%)

	Total	including			
		Basement and loft	Basement	Loft	Without basement and loft
A	1	2	3	4	5
Total	100	100	100	100	100
<i>including</i> Yerevan city	64.9	85.9	58.7	85.5	44.1
Aragatsotn	5.8	2.7	5.6	2.4	10.6
Ararat	9.6	2.3	10.6	3.2	18.4
Armavir	5.8	3.9	7.6	2.4	6.2
Kotayk	13.9	5.2	17.5	6.5	20.7

Table 27

Houses by total floor spaces, by marzes

(unit)

	Total	including			
		up to 150 sq.m.	151-300 sq.m.	301-500 sq.m.	501 s.q. and more
A	1	2	3	4	5
Total	1557	578	598	295	86
<i>including</i> Yerevan city	1011	258	404	264	85
Aragatsotn	90	28	53	8	1
Ararat	149	102	43	4	-
Armavir	90	60	30	-	-
Kotayk	217	130	68	19	-

Table 28

Structure of houses by total floor spaces, by marzes

(%)

	Total	including			
		up to 150 sq.m.	151-300 sq.m.	301-500 sq.m.	501 s.q. and more
A	1	2	3	4	5
Total	100	37.1	38.4	19.0	5.5
<i>including</i> Yerevan city	100	25.5	40.0	26.1	8.4
Aragatsotn	100	31.1	58.9	8.9	1.1
Ararat	100	68.5	28.8	2.7	-
Armavir	100	66.7	33.3	-	-
Kotayk	100	59.9	31.3	8.8	-

Table 29

Distribution structure of houses by total floor spaces, by marzes

(%)

	Total	including			
		up to 150 sq.m.	151-300 sq.m.	301-500 sq.m.	501 s.q. and more
A	1	2	3	4	5
Total	100	100	100	100	100
<i>including</i> Yerevan city	64.9	44.6	67.5	89.5	98.8
Aragatsotn	5.8	4.8	8.9	2.7	1.2
Ararat	9.6	17.7	7.2	1.4	-
Armavir	5.8	10.4	5.0	-	-
Kotayk	13.9	22.5	11.4	6.4	-

Table 30

Aggregate of total floor spaces of houses by number of storeys, by marzes

(unit)

	Total	including			
		One storey	Two-storey	Three-storey	Four and more storeys
1	3	4	5	6	7
Total number of houses	1557	476	815	238	28
distribution by total floor spaces					
up to 150 sq.m.	578	399	179	-	-
151-300 sq.m.	598	77	435	86	-
301-500 sq.m.	295	-	173	116	6
501 sq.m. and more	86	-	28	36	22
<i>of which</i>					
Number of complete houses	410	103	217	85	5
distribution by total floor spaces					
Up to 150 sq.m.	114	72	42	-	-
151-300 sq.m.	165	31	106	28	-
301-500 sq.m.	103	-	58	43	2
501 sq.m. and more	28	-	11	14	3
<i>including</i>					

	Total	including			
		One storey	Two-storey	Three-storey	Four and more storeys
1	3	4	5	6	7
Yerevan					
number of houses	1011	146	612	226	27
distribution by total floor spaces					
Up to 150 sq.m.	258	118	140	-	-
151-300 sq.m.	404	28	294	82	-
301-500 sq.m.	264	-	150	108	6
501 sq.m. and more	85	-	28	36	21
of which					
Number of complete houses	285	29	167	84	5
distribution by total floor spaces					
Up to 150 sq.m.	62	23	39	-	-
151-300 sq.m.	103	6	69	28	-
301-500 sq.m.	92	-	48	42	2
501 sq.m. and more	28	-	11	14	3
Aragatsotn					
number of houses	90	29	58	2	1
distribution by total floor spaces					
Up to 150 sq.m.	28	24	4	-	-
151-300 sq.m.	53	5	47	1	-
301-500 sq.m.	8	-	7	1	-
501 sq.m. and more	1	-	-	-	1
of which					
Number of complete houses	14	3	11	-	-
distribution by total floor spaces					
Up to 150 sq.m.	2	2	-	-	-
151-300 sq.m.	10	1	9	-	-
301-500 sq.m.	2	-	2	-	-
501 sq.m. and more	-	-	-	-	-
Ararat					
number of houses	149	115	34	-	-
distribution by total floor spaces					
Up to 150 sq.m.	102	94	8	-	-
151-300 sq.m.	43	21	22	-	-
301-500 sq.m.	4	-	4	-	-
501 sq.m. and more	-	-	-	-	-
of which					
Number of complete houses	40	34	6	-	-
distribution by total floor spaces					
Up to 150 sq.m.	22	21	1	-	-
151-300 sq.m.	18	13	5	-	-
301-500 sq.m.	-	-	-	-	-
501 sq.m. and more	-	-	-	-	-
Armavir					

	Total	including			
		One storey	Two-storey	Three-storey	Four and more storeys
1	3	4	5	6	7
number of houses	90	59	30	1	-
distribution by total floor spaces					
Up to 150 sq.m.	60	46	14	-	-
151-300 sq.m.	30	13	16	1	-
301-500 sq.m.	-	-	-	-	-
501 sq.m. and more	-	-	-	-	-
of which					
Number of complete houses	21	14	7	-	-
distribution by total floor spaces					
Up to 150 sq.m.	10	8	2	-	-
151-300 sq.m.	11	6	5	-	-
301-500 sq.m.	-	-	-	-	-
501 sq.m. and more	-	-	-	-	-
Kotayk					
number of houses	217	127	81	9	-
distribution by total floor spaces					
Up to 150 sq.m.	130	117	13	-	-
151-300 sq.m.	68	10	56	2	-
301-500 sq.m.	19	-	12	7	-
501 sq.m. and more	-	-	-	-	-
of which					
Number of complete houses	50	23	26	1	-
distribution by total floor spaces					
Up to 150 sq.m.	18	18	-	-	-
151-300 sq.m.	23	5	18	-	-
301-500 sq.m.	9	-	8	1	-
501 sq.m. and more	-	-	-	-	-

Table 31

Distribution structure of aggregate of total floor spaces of houses by number of storeys, by marzes

(%)

1	Total 3	including			
		One storey 4	Two-storey 5	Three-storey 6	Four and more storeys 7
Total number of houses	100	100	100	100	100
distribution by total floor spaces					
up to 150 sq.m.	37.1	83.8	22.0	-	-
151-300 sq.m.	38.4	16.2	53.4	36.1	-
301-500 sq.m.	19.0	-	21.2	48.8	21.4
501 sq.m. and more	5.5	-	3.4	15.1	78.6
of which					
Number of complete houses	100	100	100	100	100
distribution by total floor spaces					
Up to 150 sq.m.	27.8	69.9	19.4	-	-
151-300 sq.m.	40.3	30.1	48.8	32.9	-
301-500 sq.m.	25.1	-	26.7	50.6	40.0
501 sq.m. and more	6.8	-	5.1	16.5	60.0
including					
Yerevan					
number of houses	100	100	100	100	100
distribution by total floor spaces					
Up to 150 sq.m.	25.5	80.8	22.9	-	-
151-300 sq.m.	40.0	19.2	48.0	36.3	-
301-500 sq.m.	26.1	-	24.5	47.8	22.2
501 sq.m. and more	8.4	-	4.6	15.9	77.8
of which					
Number of complete houses	100	100	100	100	100
distribution by total floor spaces					
Up to 150 sq.m.	21.8	79.3	23.4	-	-
151-300 sq.m.	36.1	20.7	41.3	33.3	-
301-500 sq.m.	32.3	-	28.7	50.0	40.0
501 sq.m. and more	9.8	-	6.6	16.7	60.0
Aragatsotn					
number of houses	100	100	100	100	100
distribution by total floor spaces					
Up to 150 sq.m.	31.1	82.8	6.9	-	-
151-300 sq.m.	58.9	17.2	81.0	50.0	-
301-500 sq.m.	8.9	-	12.1	50.0	-
501 sq.m. and more	1.1	-	-	-	100
of which					
Number of complete houses	100	100	100	100	100

	Total	including			
		One storey	Two-storey	Three-storey	Four and more storeys
1	3	4	5	6	7
distribution by total floor spaces					
Up to 150 sq.m.	14.3	66.7	-	-	-
151-300 sq.m.	71.4	33.3	81.8	-	-
301-500 sq.m.	14.3	-	18.2	-	-
501 sq.m. and more	-	-	-	-	-
Ararat					
number of houses	100	100	100	100	100
distribution by total floor spaces					
Up to 150 sq.m.	68.5	81.7	23.5	-	-
151-300 sq.m.	28.8	18.3	64.7	-	-
301-500 sq.m.	2.7	-	11.8	-	-
501 sq.m. and more	-	-	-	-	-
<i>of which</i>					
Number of complete houses	100	100	100	100	100
distribution by total floor spaces					
Up to 150 sq.m.	55.0	61.8	16.7	-	-
151-300 sq.m.	45.0	38.2	83.3	-	-
301-500 sq.m.	-	-	-	-	-
501 sq.m. and more	-	-	-	-	-
Armavir					
number of houses	100	100	100	100	100
distribution by total floor spaces					
Up to 150 sq.m.	66.7	78.0	46.7	-	-
151-300 sq.m.	33.3	22.0	53.3	100.0	-
301-500 sq.m.	-	-	-	-	-
501 sq.m. and more	-	-	-	-	-
<i>of which</i>				-	
Number of complete houses	100	100	100	100	100
distribution by total floor spaces				-	
Up to 150 sq.m.	47.6	57.1	28.6	-	-
151-300 sq.m.	52.4	42.9	71.4	-	-
301-500 sq.m.	-	-	-	-	-
501 sq.m. and more	-	-	-	-	-
Kotayk					
number of houses	100	100	100	100	100
distribution by total floor spaces					
Up to 150 sq.m.	59.9	92.1	16.1	-	-
151-300 sq.m.	31.3	7.9	69.1	22.2	-
301-500 sq.m.	8.8	-	14.8	77.8	-
501 sq.m. and more	-	-	-	-	-
<i>of which</i>					
Number of complete houses	100	100	100	100	100

	Total	including			
		One storey	Two-storey	Three-storey	Four and more storeys
1	3	4	5	6	7
distribution by total floor spaces					
Up to 150 sq.m.	36.0	78.3	-	-	-
151-300 sq.m.	46.0	21.7	69.2	-	-
301-500 sq.m.	18.0	-	30.8	100	-
501 sq.m. and more	-	-	-	-	-

Table 32

Storey height of houses, by marzes

(unit)

	Total	including			
		up to 2.7 m	2.8 m-3.0 m	3.1 m-3.2 m	3.3 m and more
A	1	2	3	4	5
Total	1557	111	1025	358	63
<i>including</i> Yerevan city	1011	70	650	256	35
Aragatsotn	90	1	80	8	1
Ararat	149	7	83	36	23
Armavir	90	10	40	37	3
Kotayk	217	23	172	21	1

Table 33

Structure of storey height of houses, by marzes

(%)

	Total	including			
		up to 2.7m	2.8m-3.0m	3.1m-3.2m	3.3m and more
A	1	2	3	4	5
Total	100	7.1	65.8	23.0	4.1
<i>including</i> Yerevan city	100	6.9	64.3	25.3	3.5
Aragatsotn	100	1.1	88.9	8.9	1.1
Ararat	100	4.7	55.7	24.2	15.4
Armavir	100	11.1	44.5	41.1	3.3
Kotayk	100	10.6	79.2	9.7	0.5

Table 34

Distribution structure of storey height of houses, by marzes

(%)

	Total	including			
		up to 2.7m	2.8m-3.0m	3.1m-3.2m	3.3m and more
A	1	2	3	4	5
Total	100	100	100	100	100
<i>including</i> Yerevan city	64.9	63.1	63.4	71.5	55.5
Aragatsotn	5.8	0.9	7.8	2.2	1.6
Ararat	9.6	6.3	8.1	10.1	36.5
Armavir	5.8	9.0	3.9	10.3	4.8
Kotayk	13.9	20.7	16.8	5.9	1.6

Table 35

Main types of walls of houses, by marzes

(unit)

	Total	including				
		stone	concrete block	pumice block	wood	mixed
A	1	2	3	4	5	6
Total	1356	1308	11	12	3	22
<i>including</i> Yerevan city	889	858	6	10	-	15
Aragatsotn	84	81	2	1	-	-
Ararat	138	129	2	1	-	6
Armavir	75	75	-	-	-	-
Kotayk	170	165	1	-	3	1

Table 36

Structure of main types of walls of houses, by marzes

(%)

	Total	including				
		stone	concrete block	pumice block	wood	mixed
A	1	2	3	4	5	6
Total	100	96.5	0.8	0.9	0.2	1.6
<i>including</i> Yerevan city	100	96.5	0.7	1.1	-	1.7
Aragatsotn	100	96.4	2.4	1.2	-	-
Ararat	100	93.5	1.5	0.7	-	4.3
Armavir	100	100	-	-	-	-
Kotayk	100	97.0	0.6	-	1.8	0.6

Table 37

Distribution structure of main types of walls of houses, by marzes

(%)

	Total	including				
		stone	concrete block	pumice block	wood	mixed
A	1	2	3	4	5	6
Total	100	100	100	100	100	100
<i>including</i> Yerevan city	65.6	65.6	54.5	83.4	-	68.2
Aragatsotn	6.2	6.2	18.2	8.3	-	-
Ararat	10.2	9.9	18.2	8.3	-	27.3
Armavir	5.5	5.7	-	-	-	-
Kotayk	12.5	12.6	9.1	-	100	4.5

Table 38

Main types of roofs of houses, by marzes

(unit)

	Total	including				
		zink-coated	aluminium coat	metal-coated	tiled	slate
A	1	2	3	4	5	6
Total	1278	482	175	315	176	130
<i>including</i> Yerevan city	865	269	155	261	140	40
Aragatsotn	56	20	5	7	17	7
Ararat	117	50	7	3	7	50
Armavir	71	56	1	1	3	10
Kotayk	169	87	7	43	9	23

Table 39

Structure of main types of roofs of houses, by marzes

(%)

	Total	including				
		zink-coated	aluminium coat	metal-coated	tiled	slate
A	1	2	3	4	5	6
Total	100	37.7	13.7	24.6	13.8	10.2
<i>including</i> Yerevan city	100	31.1	17.9	30.2	16.2	4.6
Aragatsotn	100	35.7	8.9	12.5	30.4	12.5
Ararat	100	42.7	6.0	2.6	6.0	42.7
Armavir	100	78.9	1.4	1.4	4.2	14.1
Kotayk	100	51.5	4.2	25.4	5.3	13.6

Table 40

Distribution structure of main types of roofs of houses, by marzes

(%)

	Total	including				
		zink-coated	aluminium coat	metal-coated	tiled	slate
A	1	2	3	4	5	6
Total	100	100	100	100	100	100
<i>including</i> Yerevan city	67.7	55.8	88.6	82.8	79.5	30.7
Aragatsotn	4.4	4.2	2.8	2.2	9.7	5.4
Ararat	9.1	10.4	4.0	1.0	4.0	38.5
Armavir	5.6	11.6	0.6	0.3	1.7	7.7
Kotayk	13.2	18.0	4.0	13.7	5.1	17.7

Table 41

Main types of doors placed in houses, by marzes

(unit)

	Total	including		
		wood	metal-base laminate	aluminium
A	1	2	3	4
Total	1018	631	372	15
<i>including</i> Yerevan city	677	347	318	12
Aragatsotn	40	27	13	-
Ararat	104	84	19	1
Armavir	58	49	8	1
Kotayk	139	124	14	1

Table 42

Structure of main types of doors placed in houses, by marzes

(%)

	Total	including		
		wood	metal-base laminate	aluminium
A	1	2	3	4
Total	100	62.0	36.5	1.5
<i>including</i> Yerevan city	100	51.2	47.0	1.8
Aragatsotn	100	67.5	32.5	-
Ararat	100	80.7	18.3	1.0
Armavir	100	84.5	13.8	1.7
Kotayk	100	89.2	10.1	0.7

Table 43

Distribution structure of main types of doors placed in houses, by marzes

(%)

	Total	Including		
		wood	metal-base laminate	aluminium
A	1	2	3	4
Total	100	100	100	100
<i>including</i> Yerevan city	66.5	55.0	85.5	80.0
Aragatsotn	3.9	4.3	3.5	-
Ararat	10.2	13.3	5.1	6.6
Armavir	5.7	7.8	2.1	6.7
Kotayk	13.7	19.6	3.8	6.7

Table 44

Main types of windows placed in houses, by marzes

(unit)

	Total	including		
		wood	metal-base laminate	aluminium
A	1	2	3	4
Total	1051	338	683	30
<i>including</i> Yerevan city	706	183	506	17
Aragatsotn	44	17	27	-
Ararat	103	48	51	4
Armavir	59	16	40	3
Kotayk	139	74	59	6

Table 45

Structure of main types of windows placed in houses, by marzes

(%)

	Total	including		
		wood	metal-base laminate	aluminium
A	1	2	3	4
Total	100	32.1	65.0	2.9
<i>including</i> Yerevan city	100	25.9	71.7	2.4
Aragatsotn	100	38.6	61.4	-
Ararat	100	46.6	49.5	3.9
Armavir	100	27.1	67.8	5.1
Kotayk	100	53.2	42.5	4.3

Table 46

Distribution structure of main types of windows placed in houses, by marzes

(%)

	Total	including		
		wood	metal-base laminate	aluminium
A	1	2	3	4
Total	100	100	100	100
<i>including</i> Yerevan city	67.2	54.2	74.1	56.7
Aragatsotn	4.2	5.0	3.9	-
Ararat	9.8	14.2	7.5	13.3
Armavir	5.6	4.7	5.9	10.0
Kotayk	13.2	21.9	8.6	20.0

Table 47

Main types of floors in houses, by marzes

(unit)

	Total	including			
		parquet	wood	laminated plastic	flooring tile
A	1	2	3	4	5
Total	833	513	163	99	58
<i>including</i> Yerevan city	600	420	63	77	40
Aragatsotn	30	16	13	1	-
Ararat	79	24	42	3	10
Armavir	29	6	11	7	5
Kotayk	95	47	34	11	3

Table 48

Structure of main types of floors in houses, by marzes

(%)

	Total	including			
		parquet	wood	laminated plastic	flooring tile
A	1	2	3	4	5
Total	100	61.6	19.5	11.9	7.0
<i>including</i> Yerevan city	100	70.0	10.5	12.8	6.7
Aragatsotn	100	53.3	43.3	3.4	-
Ararat	100	30.4	53.2	3.8	12.6
Armavir	100	20.7	37.9	24.1	17.3
Kotayk	100	49.5	35.8	11.6	3.1

Table 49

Distribution structure of main types of floors in the houses, by marzes

(%)

	Total	including			
		parquet	wood	laminated plastic	flooring tile
A	1	2	3	4	5
Total	100	100	100	100	100
<i>including</i> Yerevan city	72.0	81.9	38.6	77.8	69.0
Aragatsotn	3.6	3.1	8.0	1.0	-
Ararat	9.5	4.7	25.8	3.0	17.2
Armavir	3.5	1.1	6.7	7.1	8.6
Kotayk	11.4	9.2	20.9	11.1	5.2

Table 50

Provision of the houses with engineered utilities, by marzes

(unit)

	Total	including					
		Water	Electricity	Sewerage	Gas	Fire control system	Security system
A	1	2	3	4	5	6	6
Total	991	957	966	751	689	33	33
of which complete buildings	410	410	410	345	369	28	28
including Yerevan	692	684	676	634	533	24	24
of which complete buildings	285	285	285	285	279	19	19
Aragatsotn	31	30	28	3	8	-	-
of which complete buildings	14	14	14	3	8	-	-
Ararat	102	93	101	41	66	-	-
of which complete buildings	40	40	40	17	35	-	-
Armavir	57	46	54	16	21	-	-
of which complete buildings	21	21	21	10	10	-	-
Kotayk	109	104	107	57	61	9	9
of which complete buildings	50	50	50	30	37	9	9

Table 51

Structure of provision of the houses with engineered utilities, by marzes

(%)

	Water	Electricity	Sewerage	Gas	Fire control system	Security system
A	2	3	4	5	6	7
Total	96.6	97.5	75.8	69.5	3.3	3.3
<i>of which complete buildings</i>	100.0	100.0	84.1	90.0	6.8	6.8
<i>including</i>						
Yerevan	98.8	97.7	91.6	77.0	3.5	3.5
<i>of which complete buildings</i>	100.0	100.0	100.0	97.9	6.7	6.7
Aragatsotn	96.8	90.3	9.7	25.8	-	-
<i>of which complete buildings</i>	100.0	100.0	21.4	57.1	-	-
Ararat	91.2	99.0	40.2	64.7	-	-
<i>of which complete buildings</i>	100.0	100.0	42.5	87.5	-	-
Armavir	80.7	94.7	28.1	36.8	-	-
<i>of which complete buildings</i>	100.0	100.0	47.6	47.6	-	-
Kotayk	95.4	98.2	52.3	56.0	8.3	8.3
<i>of which complete buildings</i>	100.0	100.0	60.0	74.0	18.0	18.0

Table 52

Distribution structure of provision of the houses with engineered utilities, by marzes

(%)

	Total	<i>including</i>					
		Water	Electricity	Sewerage	Gas	Fire control system	Security system
A	1	2	3	4	5	6	7
Total	100	100	100	100	100	100	100
<i>of which complete buildings</i>	100	100	100	100	100	100	100
<i>including</i>							
Yerevan	69.8	71.5	70.0	84.4	77.3	72.7	72.7
<i>of which complete buildings</i>	69.5	69.5	69.5	82.6	75.6	67.9	67.9
Aragatsotn	3.1	3.1	2.9	0.4	1.2	-	-
<i>of which complete buildings</i>	3.4	3.4	3.4	0.9	2.2	-	-
Ararat	10.3	9.7	10.4	5.5	9.6	-	-
<i>of which complete buildings</i>	9.8	9.8	9.8	4.9	9.5	-	-
Armavir	5.8	4.8	5.6	2.1	3.0	-	-

	Total	including					
		Water	Electricity	Sewerage	Gas	Fire control system	Security system
A	1	2	3	4	5	6	7
of which complete buildings	5.1	5.1	5.1	2.9	2.7	-	-
Kotayk	11.0	10.9	11.1	7.6	8.9	27.3	27.3
of which complete buildings	12.2	12.2	12.2	8.7	10.0	32.1	32.1

Table 53

Heating types in houses, by marzes

	Total	including		(unit)
		Individual	Centralized	
A	1	2	3	
Total	737	729	8	
of which complete buildings	410	405	5	
including				
Yerevan	529	521	8	
of which complete buildings	285	280	5	
Aragatsotn	18	18	-	
of which complete buildings	14	14	-	
Ararat	70	70	-	
of which complete buildings	40	40	-	
Armavir	53	53	-	
of which complete buildings	21	21	-	
Kotayk	67	67	-	
of which complete buildings	50	50	-	

Table 54

Structure of heating types in houses, by marzes

(%)

A	Total	including	
		Individual	Centralized
	1	2	3
Total	100	98.9	1.1
of which complete buildings including	100	98.8	1.2
Yerevan	100	98.5	1.5
of which complete buildings	100	98.2	1.8
Aragatsotn	100	100	-
of which complete buildings	100	100	-
Ararat	100	100	-
of which complete buildings	100	100	-
Armavir	100	100	-
of which complete buildings	100	100	-
Kotayk	100	100	-
of which complete buildings	100	100	-

Table 55

Distribution structure of heating types in houses, by marzes

(%)

A	Total	including	
		Individual	Centralized
	1	2	3
Total	100	100	100
of which complete buildings including	100	100	100
Yerevan	71.8	71.4	100
of which complete buildings	69.5	69.1	100
Aragatsotn	2.4	2.5	-
of which complete buildings	3.4	3.5	-
Ararat	9.5	9.6	-
of which complete buildings	9.8	9.9	-
Armavir	7.2	7.3	-
of which complete buildings	5.1	5.2	-
Kotayk	9.1	9.2	-
of which complete buildings	12.2	12.3	-

Table 56

Plot improvement of houses, by marzes

(unit)

	Total	including				
		Transformation of plot using building refuse or soil	Levelling	Planting of greenery	Installation of patio	Enclosure
A	1	2	3	4	5	6
Total	949	809	766	594	357	160
of which complete buildings including	410	410	389	333	268	85
Yerevan of which complete buildings	608	550	524	385	298	97
Aragatsotn	285	285	277	242	218	55
of which complete buildings	33	30	18	4	3	-
Ararat	14	14	10	4	3	-
of which complete buildings	115	88	96	78	17	9
Armavir	40	40	38	36	14	2
of which complete buildings	51	50	36	12	7	-
Kotayk	21	21	18	8	7	-
of which complete buildings	142	91	92	115	32	54
Total	50	50	46	43	26	28

Table 57

Structure of plot improvement of houses, by marzes

(%)

	Transformation of plot using building refuse or soil	Levelling	Planting of greenery	Installation of patio	Enclosure
A	2	3	4	5	6
Total	85.2	80.7	62.6	37.6	16.8
of which complete buildings	100	94.9	81.2	65.4	20.7
including Yerevan	90.5	86.2	63.3	49.0	16.0
of which complete buildings	100	97.2	84.9	76.5	19.3
Aragatsotn	90.9	54.5	12.1	9.1	-
of which complete buildings	100	71.4	28.6	21.4	-

Ararat	76.5	83.5	67.8	14.8	7.8
of which complete buildings	100	95.0	90.0	35.0	5.0
Armavir	98.0	70.6	23.5	13.7	-
of which complete buildings	100	85.7	38.1	33.3	-
Kotayk	64.1	64.8	81.0	22.5	38.0
of which complete buildings	100	92.0	86.0	52.0	56.0

Table 58

Distribution structure of plot improvement of houses, by marzes

	Total	including				
		Transformation of plot using building refuse or soil	Levelling	Planting of greenery	Installation of patio	Enclosure
A	1	2	3	4	5	6
Total	100	100	100	100	100	100
of which complete buildings	100	100	100	100	100	100
including Yerevan	64.0	68.0	68.4	64.8	83.5	73.9
of which complete buildings	69.5	69.5	71.2	72.7	81.4	64.7
Aragatsotn	3.5	3.7	2.4	0.7	0.8	-
of which complete buildings	3.4	3.4	2.6	1.2	1.1	-
Ararat	12.1	10.9	12.5	13.1	4.7	17.4
of which complete buildings	9.8	9.8	9.8	10.8	5.2	2.4
Armavir	5.4	6.2	4.7	2.0	2.0	-
of which complete buildings	5.1	5.1	4.6	2.4	2.6	-
Kotayk	15.0	11.2	12.0	19.4	9.0	8.7
of which complete buildings	12.2	12.2	11.8	12.9	9.7	32.9

Table 59

Availability of additional facilities of houses, by marzes

(unit)

	Total	including			
		garage	swimming pool	tonratoon	agricultural building
A	1	2	3	4	5
Total	650	588	155	22	15
of which complete buildings including	410	280	70	16	15
Yerevan	467	437	115	10	5
of which complete buildings	299	212	48	6	5
Aragatsotn	29	27	12	-	-
of which complete buildings	14	9	5	-	-
Ararat	60	53	8	8	6
of which complete buildings	40	22	6	6	6
Armavir	15	13	6	-	-
of which complete buildings	7	5	1	-	-
Kotayk	79	58	14	4	4
of which complete buildings	50	32	10	4	4

Table 60

Structure of availability of additional facilities of houses, by marzes

(%)

	garage	swimming pool	tonratoon	agricultural building
A	2	3	4	5
Total	90.5	23.8	3.4	2.3
of which complete buildings including	68.3	17.1	3.9	3.9
Yerevan	93.6	24.6	2.1	1.1
of which complete buildings	70.9	16.1	2.0	1.7
Aragatsotn	93.1	41.4	-	-
of which complete buildings	64.3	35.7	-	-
Ararat	88.3	13.3	13.3	10.0
of which complete buildings	55.0	15.0	15.0	15.0
Armavir	86.7	40.0	-	-
of which complete buildings	71.4	14.3	-	-
Kotayk	73.4	17.7	5.1	5.1
of which complete buildings	64.0	20.0	8.0	8.0

Table 61

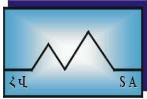
Distribution structure of availability of additional facilities of houses, by marzes

(%)

	Total	including			
		garage	swimming pool	tonratoon	agricultural building
2	1	2	3	4	5
Total	100	100	100	100	100
<i>of which complete buildings including</i>	100	100	100	100	100
Yerevan	71.8	74.3	74.2	45.4	33.3
<i>of which complete buildings</i>	72.9	75.7	68.6	37.5	33.3
Aragatsotn	4.5	4.6	7.7	-	-
<i>of which complete buildings</i>	3.4	3.2	7.1	-	-
Ararat	9.2	9.0	5.2	36.4	40.0
<i>of which complete buildings</i>	9.8	7.9	8.6	37.5	40.0
Armavir	2.3	2.2	3.9	-	-
<i>of which complete buildings</i>	1.7	1.8	1.4	-	-
Kotayk	12.2	9.9	9.0	18.2	26.7
<i>of which complete buildings</i>	12.2	11.4	14.3	25.0	26.7

ANNEX 2

**(ONCE-OFF SURVEY QUESTIONNAIRE ON INDIVIDUAL HOUSING
CONSTRUCTION)**



questionnaire ref. number

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NATIONAL STATISTICAL SERVICE OF THE REPUBLIC OF ARMENIA
STATE STATISTICAL OBSERVATION

Confirmed
By the Resolution N 13-A dated 04 May 2008 of the State Council on Statistics of the Republic of Armenia

Marz

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District.....

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Address

ONCE-OFF SURVEY QUESTIONNAIRE

ON INDIVIDUAL HOUSING CONSTRUCTION

1 Is the building currently being constructed?

Please circle one box only.

Yes

1

No

2

2 When did the construction of the building begin?

Please circle one box only.

Up to 2005

1

2005

2

2006

3

2007

4

2008

5

3 How complete is the building, at the moment?

Please circle one box only.

1-20%

1

21-50%

2

51-80%

3

81-100%

4

4 How is the construction being funded?

Please circle the one box which is most appropriate.

Loan

1

Personal income

2

Other (please specify)

--

5 How much has the building cost so far? Please circle one box only.

\$1 - \$20.000

1

\$20.001 - \$40.000

2

\$40.001 - \$80.000

3

\$80.001 - \$100.000

4

\$100.001 and more

5

6 How many storeys does the building have?

Please circle one box only.

6.1 by the project

6.2 actually

One

1

1

Two

2

2

Three

3

3

Four and more

4

4

7 Does the building have a basement?

Please circle one box only.

Yes

1

No

2

8 Does the building have a loft?

Please circle one box only.

Yes

1

No

2

9**How much sq. meter is the total floor space of the building?**

Please circle one box only.

	9.1 by the project	9.2 actually
1-150	<input type="text" value="1"/>	<input type="text" value="1"/>
151-300	<input type="text" value="2"/>	<input type="text" value="2"/>
301-500	<input type="text" value="3"/>	<input type="text" value="3"/>
501 and more	<input type="text" value="4"/>	<input type="text" value="4"/>

10**How long is the height of the storey?, meter**

Please circle one box only.

	10.1 by the project	10.2 actually
1.0-2.7	<input type="text" value="1"/>	<input type="text" value="1"/>
2.8-3.0	<input type="text" value="2"/>	<input type="text" value="2"/>
3.1-3.2	<input type="text" value="3"/>	<input type="text" value="3"/>
3.3 and more	<input type="text" value="4"/>	<input type="text" value="4"/>

11**Which of the following best describes the type of walls?**

Please circle one box only.

Stone	<input type="text" value="1"/>
Concrete block	<input type="text" value="2"/>
Pumice block	<input type="text" value="3"/>
Wood	<input type="text" value="4"/>
Mixed	<input type="text" value="5"/>

12**Which of the following best describes the type of roof?**

Please circle one box only.

Zinc-coated	<input type="text" value="1"/>
Aluminium coat	<input type="text" value="2"/>
Metal-coated	<input type="text" value="3"/>
Tiled	<input type="text" value="4"/>
Slate	<input type="text" value="5"/>

13**Which of the following best describes the type of doors?**

Please circle one box only.

Wood	<input type="text" value="1"/>
Metal-based laminate	<input type="text" value="2"/>
Aluminium	<input type="text" value="3"/>

14**Which of the following best describes the type of windows?**

Please circle one box only.

Wood	<input type="text" value="1"/>
Metal-based laminate	<input type="text" value="2"/>
Aluminium	<input type="text" value="3"/>

15**Which of the following best describes the type of flooring?**

Please circle one box only.

Parquet	<input type="text" value="1"/>
Wood	<input type="text" value="2"/>
Laminated plastic	<input type="text" value="3"/>
Tile	<input type="text" value="4"/>

16**Which of the following services are provided to the building?**

Please circle the appropriate cells if any is available.

Water	<input type="text" value="1"/>
Electricity	<input type="text" value="2"/>
Sewerage	<input type="text" value="3"/>
Gas	<input type="text" value="4"/>
Other (please specify)	<input type="text"/>
	<input type="text"/>

17**Which of the following describes the type of heating of the building?**

Please circle one box only.

Individual heating

☐

Centralised

☐**18****Which of the following improvements has been done?**

Please circle the appropriate cells if any is available.

Transformation of plot using building refuse or soil

☐

Levelling

☐

Planting of greenery

☐

Installation of patio

☐

Other (please specify)

19**Which of these additional facilities does the building have?**

Please circle the appropriate cells if any is available.

Garage

☐

Swimming pool

☐

Other (please specify)

THANK YOU FOR YOUR CO-OPERATION.

Name, surname of the executor _____

signature

Date of completion « __ » _____ 2008