

13 Communications



Introduction

Communication is among significant development infrastructures in every country. Since the two last decades, the highest development in the countries has taken place in the communities that have had the most advances in communication sector. The Impacts of information and communication technologies were so deep that theoreticians could try to interpret these modern developments through theories of information society and network society.

Communications play a significant role in economic development of the country towards vision of knowledge-based economy. Due to increasing significance of the issue, a separate chapter has been allocated to communications in the statistical yearbook of the year 1393.

Statistics presented in this chapter are related to communications and information technology (ICT). Below you will find a brief record of statistics production on each area.

Post: Data for post have been produced as registers by post offices since the year 1337, and collected and disseminated in the statistical yearbook by the SCI since the year 1345. Statistics of this chapter were revised by the Ministry of Communications and Information Technology in the year 1393.

Telecommunications: Data for telecommunications have been produced as registers by the related departments since the year 1337, and collected and disseminated in the statistical yearbook by the SCI since the year 1345. Statistics of this chapter were revised by the Ministry of Communications and Information Technology in the year 1393.

Information technology (IT): In the year 1393, the data related to IT have been included in the statistical yearbook. The related statistical data are available from the year 1392 on.

Statistical Centre of Iran implemented the survey on the Internet users among the nation's households in the years 1387 and 1389. In the year 1392, the Survey on "ICT Use by Households and Individuals" ordered by ITO as the responsible organization for developing and monitoring the ICT indicators in the country was designed and implemented in collaboration with the Statistical Research and Training Centre (SRTC). In the year 1394, the survey entitled "Households and Individuals Access to ICT" was implemented, the related information of which is presented in this chapter.

Definitions and concepts

Postal units: places where postal services are rendered.

Government postal units: the units providing postal services run and managed by staff of post company.

Non-government postal units: providers of postal services run and managed by non-government sector (post counter offices, rural ICT offices, etc...).

Post General Department and Department: main postal unit is located in the capital of Ostans or Shahrestans or in one of postal districts of Tehran, where all postal operations and services are carried out.

Urban governmental post office: postal units located in all urban areas which perform operations relating to receipt, preparation, dispatch and delivery of mail, as well as sale of postal securities.

Rural governmental post office: in certain rural areas qualified for rendering postal services, units called "rural post offices" are established to render services to a number of adjacent villages.

Postal agency: in rural areas or suburbs where establishment of a postal unit is not economical, a postal agency is established. These units are run by one of the local trustworthy people (usually, a local businessman) under a contract.

Joint post and telecommunications office: in a number of operating telecommunications or post units within the suburbs or rural areas, mixed postal and telecommunications services are rendered by the person tasked with this responsibility under the management of the post company. This unit is called post and telecommunications office.

Postbox: the smallest postal unit installed and used in the public thoroughfares (whether cities or villages). When necessary, these units are used only for ordinary mail and the sender drops his or her stamped letter into it.

Public post counter: these units were established with the purpose of accelerating and facilitating the rendering of public and non-public services. In addition to rendering of postal services through presenting electronic services, the physical counter makes government organizations closer to people's work place and living place.

Rural¹ ICT offices: are offices that provide at least one of the telecommunication, postal, Post Bank, IT services as well as services of other government institutions to the public in rural areas.

Postal mails: whatever that is dispatchable physically including personal writings,

documents such as: printed writings, manuscripts, goods, things, financial papers and drafts, notifications and notices having sending and receiving addresses that the address on the envelop of the mail.

Ordinary mail: parcels that without registration in computer systems, stuck with a postage stamp / copy of a stamp or within a contract are collected from public post boxes or clients' home / work and after sorting and preparation, they are delivered to receivers' addresses for distribution. Main parcels are as follows: letters, postal cards, printed letters, special bags, brochures, notifications, bills and so on.

Registered mail: a mail which is received in post offices or clients' home / work and in lieu of it a mailing receipt is issued for sender; a postal barcode is affixed to the mail so that all operational processes can be registered and tracked in the computerized system. Also, when the mail is delivered to the receiver, he/she signs for the item. Main mails are as follows: letters, printed letters, small parcels and special bags.

Express mail service (EMS): a mail which is received in post offices or clients' home / work to be dispatched and delivered to the receiver and in lieu of it, a mailing receipt is given to the sender and a postal barcode is affixed to the mail so that all operational processes can be registered and tracked in the computerized system. Also, when the mail is delivered to the receiver, he/she signs for the item. Main express mails are as follows: Packages containing documents and parcels containing merchandises.

Hand-to-hand mail: is a service in which a mail is received in post offices or clients' home / work to be sent in a special manner and in lieu of

¹. Information And Communication Technologies.

it, a mailing receipt is given and a postal barcode is affixed to the mail so that all operational processes can be registered and tracked in the computerized system. Also, when the mail is delivered to the receiver, he/she signs for the item. In this service, destination of the mail is specified by the client and its operational processes is done in a particular manner and service duration (reception and distribution of the mail) is carried out in determined time intervals. At present, area of this service is divided into four groups in terms of destination: urban group, inter-city group of intra-province and inter-city group in neighboring provinces and inter-city group in non-neighboring provinces.

A. Measurement of registered mail service, EMS and hand to hand mail service is obtained by registers.

B. In order to measure ordinary mail service, sampling methods and estimation of the number of mails per month are used.

Population coverage of each postal unit: Total population of the country divided by the number of operating postal units (public and private sector).

Installed telephone: a telephone line whose essential equipment is installed, but not yet supplied to the customer.

Telephone in use: a telephone line supplied to a customer so that calls could be made through it.

Active mobile phone subscribers: active permanent and prepaid mobile phone numbers in operators' network that without attaching to a specific place and through using accessibility facilities, provide mobile phone subscribers with telecommunicative connections by access mobile phone and system of radio transmission.

Mobile phone penetration rate: the number of active postpaid and prepaid mobile phones per 100 people.

Coverage of mobile in main roads: the number of kilometers of the main roads where communication through mobile phone with at least one operator is possible and the basis of the communication is according to the information of the Ministry of Roads and Urban Development and is related to the commitments of the contents of licence of operators.

Villages having fixed telephone lines: the number of villages where fixed telephone communications for their habitants with public telecommunication network are run by using telecommunicative equipment and facilities. Information is based on the definition of village provided by the Ministry of the Interior

Internet: the global public computer network that provides access to a number of communicative services such as: world web, e-mail, news, information, data, media, etc.,

Households having computers: the number of these households are obtained by surveys. This indicator stands for desktop computers, laptop computers, tablet and small computers such as PDA². This definition excludes mobile phones.

Households having internet access at their home: refers to the households who have internet access in their houses. In this definition, access to internet services from every device is considered. This device can be a computer, mobile phone, play station devices or digital TV, etc... .Internet access can be through fixed telephone network or mobile phone.

Population using computer: Refers to the population who uses personal computer in different places (home, school and place of work).

Population using Internet: Refers to the number of internet users. In this definition, an internet user is a person who has been using internet since last three months through any device (this definition is based on the latest communiqué of International Telecommunication Union).

Inter-city optic fiber cable: Refers to the total kilometer of inter-city optic fiber cable between centres and nation's infrastructural stations (Microwave, inter-city switching centre, international switching centre).

International bandwidth: Rate of input and output traffic transmission (whether voice channel or data) in the country through one network connection.

IP network capacity in the country: Rate of internet input and output traffic transmission between Ostans and between fixed and mobile telecommunicative networks in centres and telecommunicative stations of Infrastructure Communications Company including switching centres, data and transmission network stations.

Service: refers to all activities which have business nature and are income-producing for activity provider.

Selected information

In the year 1394, total number of installed telephones was 34688475 out of which 30262157 telephones are in use. The number of installed telephones and telephones in use increased 2.9% and 2.9%, respectively compared with the previous year. In the same year, total number of ceded mobile phone lines including Hamrah Aval, Irancell and Rightel operators was

149775315 out of which 18915959 and 130859356 was postpaid and prepaid lines, respectively. In the year 1394, total number of mobile phones in use was 75914506 out of which 14981304 and 60933202 were postpaid and prepaid lines, respectively.

At the end of the year 1394, total number of operating mobile phone subscribers was 75914506 lines that increased more than 7% compared to the previous year. Out of this number, the Ostans of Tehran, Esfahan, Khorasan-e-Razavi, Fars and Khuzestan with 16551439, 5141320, 5028730, 4594920 and 4574351 had the highest mobile phone subscribers compared to other Ostans, respectively.

In the year 1394, coverage of the population aged 6 and over with mobile phone was 77.9%. In the same year, the total number of nationwide high-speed internet lines is 8825105, out of which 6141107 lines are for household and 2683998 lines are for commercial use.

Among Ostans of the country, Tehran, Esfahan, Khorasan-e-Razavi, Fars and Mazandaran had the largest share of high speed internet with 2387729, 731996, 677280, 534474 and 493070, respectively.

In the year 1394, the capacity of inter-city dark fiber was 57044 kilometers while international internet bandwidth was 547 and domestic IP network capacity was 4000 gigabyte/second.

In the year 1394, total number of urban and inter-city mails in intra-provinces by type of mail was 127170000. The number of dispatched outprovince mails was 155141000 and the number of mails dispatched to foreign destinations was 44841000 including ordinary mails, registered mails, EMS mails and hand-to-hand parcels.

13.1. NUMBER OF FIXED INSTALLED AND TELEPHONES IN USE AND RURAL AREAS WITH TELEPHONE COMMUNICATION

Year and Ostan	Installed telepho'nes	Telephones in use	Rural areas with telephone communication
1375.....	6690549	5824968	14550
1380.....	12170431	10896572	31893
1385.....	27143632	22626944	51058
1390.....	31377423	26540207	52704
1391.....	31705021	27478443	52965
1392.....	32355606	28462360	52916
1393.....	33703240	29417318	54320
1394.....	34688475	30262157	54273
East Azarbayejan	1795180	1602387	2572
West Azarbayejan	1126678	1078786	3082
Ardebil	514500	432956	1682
Esfahan	2852387	2381500	1581
Alborz ⁽¹⁾	000	000	000
Ilam	198789	147777	532
Bushehr	417835	329427	568
Tehran ⁽¹⁾	9264799	8200300	1097
Chaharmahal & Bakhtiyari	277451	261638	670
South Khorasan	340331	292103	1669
Khorasan-e-Razavi.....	2539044	2259730	2868
North Khorasan.....	297966	263121	777
Khuzestan.....	1293770	1139126	2910
Zanjan	414156	359020	878
Semnan	341951	320807	478
Sistan & Baluchestan	556898	500059	4788
Fars	1890281	1619019	3394
Qazvin	536829	432841	821
Qom.....	606349	499549	152
Kordestan	551624	516093	1602
Kerman	874914	855560	4830
Kermanshah	657963	579045	2434
Kohgiluyeh & Boyerahmad	187505	159660	1591
Golestan	700400	606078	1005
Gilan.....	1226075	1094881	2498
Lorestan	549593	476013	2535
Mazandaran	2015032	1602504	2974
Markazi	666767	600278	1081
Hormozgan	614722	520624	1334
Hamedan	751710	604349	1075
Yazd	626976	526926	795

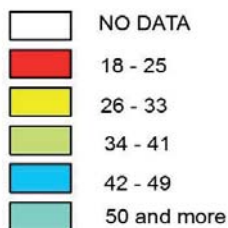
1. Statistics for Alborz are included with Tehran.

Source: Ministry of Communication and Information Technology

13.1. FIXED TELEPHONE (1) PENETRATION RATE, THE YEAR 1394



For data see Tables 13.1 and 3.2



(1) For calculation of the fixed telephone penetration rate, the population estimated by Statistical Centre of Iran in the year 1394 was used. Statistics for Alborz was included with Tehran.

13. 2. CEDED AND IN -USE MOMILE PHONE LINES BY TYPE OF LINE AND OPERATOR

Year	Grand total					
	Ceded mobile phone lines			In-use mobile phone lines		
	Total	Postpaid	Prepaid	Total	Postpaid	Prepaid
1391	112762025	000	000	59402896	000	000
1392	119325825	18004834	101320991	63831568	000	000
1393	137190786	18241713	118949074	70920183	14847100	56073083
1394.....	149775315	18915959	130859356	75914506	14981304	60933202

Year	Hamrahe Aval operator					
	Ceded mobile phone lines			Mobile phone lines in use		
	Total	Postpaid	Prepaid	Total	Postpaid	Prepaid
1391.....	53897468	16509634	37387834	35681906	13365569	22316337
1392.....	56955567	16946304	40009263	37627248	13935240	23692008
1393.....	62917049	17465922	45451128	40437655	14497458	25940197
1394.....	63485928	18051585	45434343	43485071	14636496	28848575

Year	IranCell operator					
	Ceded mobile phone lines			Mobile phone lines in use		
	Total	Postpaid	Prepaid	Total	Postpaid	Prepaid
1391.....	58385827	000	000	23483852	000	000
1392.....	61202963	956645	956645	25201472	000	000
1393.....	69888651	648949	69239702	28114580	281146	27833434
1394.....	79883920	746946	79136974	30546140	310284	30235856

Year	Rightel operator					
	Ceded mobile phone lines			Mobile phone lines in use		
	Total	Postpaid	Prepaid	Total	Postpaid	Prepaid
1391.....	478730	63579	415151	237138	61432	175706
1392.....	1167295	101885	1065410	1002848	95845	907003
1393.....	4385086	126842	4258244	2367948	68496	2299452
1394.....	6405467	117428	6288039	1883295	34524	1848771

Source: Ministry of Communications and Information Technology

13.3. NUMBER OF SUBSCRIBERS OF MOBILE PHONES IN USE AT THE END OF THE YEAR

Ostan	The year 1375	The year 1380	The year 1385	The year 1390	The year 1391	The year 1392	The year 1393	The year 1394
Total	59967	2087353	15385289	⁽¹⁾ 55426281	59402896	63831568	70920183	75914506
East Azarbayejan	793	71800	677603	1563767	2629302	2748472	3210766	3328545
West Azarbayejan	491	38451	452780	1191889	1946342	2097744	2321748	2555666
Ardebil	110	14764	187132	478572	805506	871535	884015	1012292
Esfahan	2581	163287	1262229	2721412	4159149	4349182	4865937	5141320
Alborz	⁽²⁾ 000	⁽²⁾ 000	⁽²⁾ 000	1230936	1818617	2098663	1509983	1271654
Ilam	107	5759	94736	275665	414849	455223	461663	565544
Bushehr	121	18442	208046	581251	951418	1024801	1094448	1390261
Tehran	⁽²⁾ 49199	⁽²⁾ 1152213	⁽²⁾ 4901491	6212503	12129494	12274731	15945025	16551439
Chaharmahal & Bakhtiari ..	86	9661	146267	415449	594288	675792	710475	793767
South Khorasan	⁽³⁾ 000	⁽³⁾ 000	49362	237395	368172	424193	481293	612512
Khorasan-e-Razavi	⁽³⁾ 798	⁽³⁾ 116554	1005295	2107934	4639663	4988290	5258619	5028730
North Khorasan	⁽³⁾ 000	⁽³⁾ 000	65679	238071	516074	568170	591501	625709
Khuzestan	582	55318	850009	1818244	3678310	3927707	4321121	4574351
Zanjan	200	6899	140883	428550	694517	728446	777570	854336
Semnan	98	17348	134398	363782	543002	645997	688847	854758
Sistan & Baluchestan	0	21632	209738	764364	1348913	1403556	1630768	1843530
Fars	1188	109712	1034788	2241980	3672958	4106194	4400096	4594920
Qazvin	1094	15252	202140	568222	946516	972933	1060281	1089866
Qom	270	21369	220885	640273	973932	1015509	1054779	1263842
Kordestan	44	5984	187162	670777	1042581	1141867	1195708	1383535
Kerman	361	48772	483961	1343656	1900466	2090285	2367324	2738185
Kermanshah	186	14960	304897	867652	1406697	1516867	1589910	1766293
Kohgiluyeh & Boyerahmad ..	95	6715	81371	274000	461946	487020	528648	660141
Golestan	⁽⁴⁾ 000	9585	199410	701296	1247510	1344071	1472081	1583874
Gilan	206	30352	493438	1349714	2116999	2466853	2460526	2649384
Lorestan	130	8437	223914	596526	1152349	1268215	1304866	1311655
Mazandaran	⁽⁴⁾ 274	39571	603418	1415029	2751504	3129064	3492206	3712198
Markazi	236	22448	243380	706677	1093816	1155436	1191819	1362621
Hormozgan	182	21466	208815	723170	1334705	1521513	1545019	1999291
Hamedan	298	12163	244160	732160	1226222	1341387	1356828	1494119
Yazd	237	28439	267902	694106	837079	991852	1146313	1300168

1. A number of 21271259 Irancell SIM cards are included in the total for the year 1390.

2. Statistics for Alborz are included with Tehran.

3. Data for South Khorasan and North Khorasan are included with Khorasan-e-Razavi.

4. Statistics for Golestan are included with Mazandaran.

Source: Ministry of Communications and Information Technology.

13.4. COVERAGE OF MOBILE PHONE BY TYPE OF OPERATOR (percent- kilometer)

Year	Hamrahe Aval					
	Coverage of population	Coverage of main roads	Coverage of by-roads	Coverage of rail roads	Cities under coverage	Villages under coverage
1392.....	94.0	31321.0	32054.0	8925	1173	43641
1393.....	94.2	31568.3	34591.6	8926	1244	44273
1394.....	94.2	31568.3	34591.0	8926	1242	61722

Year	Irancell			
	Coverage of population	Coverage of main roads, by-roads and rail roads	Cities under coverage	Villages under coverage
1392.....	82.72	24317.3	1126	1086
1393.....	85.46	29760.14	1180	1155
1394.....	85.84	32652.00	1196	1178

Year	Rightel			
	Coverage of population	Coverage of main roads, by-roads and rail roads	Cities under coverage	Villages under coverage
1392.....	48	509.5	161	0
1393.....	52	509.5	222	0
1394.....	61.29	12909.0	487	0

Source: Ministry of Communications and Information Technology.

**13.5. NUMBER OF HOUSEHOLDS BY ACCESS TO THE INFORMATION
COMMUNICATIONS TECHNOLOGY AT HOME BY URBAN AND RURAL AREAS**

Description	The year 1387		The year 1389		The year 1392		The year 1394	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Total households....	18779479	100.0	20286247	100	22821770	100	24299758	100.0
Households with fixed telephones.....	17667020	94.1	19502822	96.1	22262811	97.6	23977109	98.7
Households with computers	5665902	30.2	7146171	35.2	10468407	45.9	13938943	57.4
Households with access to the Internet at their home	3411499	18.2	4336567	21.4	8625067	37.8	13479815	55.5
Urban household...	13122602	100.0	14954050	100.0	16778841	100.0	17988344	100.0
Households with fixed telephones.....	12586050	96.0	14625740	97.8	16589616	99.0	17854880	99.3
Households with computers	5068782	38.6	6506340	43.5	9061681	54.0	11658548	64.8
Households with access to the Internet at their home	3070985	23.4	4075793	27.3	7567233	45.1	11162417	62.1
Rural households...	5656877	100.0	5332197	100.0	6042929	100.0	6311414	100.0
Households with fixed telephones.....	5080970	89.8	4877082	91.5	5673195	93.9	6122228	97.0
Households with computers	597120	10.6	639831	12.0	1406726	23.3	2280394	36.1
Households with access to the Internet at their home	340514	6.0	260774	4.9	1057834	17.5	2317398	36.7

Source: Statistical Centre of Iran.

13.6. NUMBER OF HOUSEHOLDS BY ACCESS TO INFORMATION COMMUNICATIONS TECHNOLOGY AT HOME BY OSTAN

Year and Ostan	Total households	Households with fixed telephones	Households with computers	Households with access to the Internet at their home
1387	18779479	17667020	5665902	3411499
1389	20286247	19502822	7146171	4336567
1392	22821770	22262811	10468407	8625067
1394	24299758	23977109	13938943	13479815
East Azarbayejan	1233537	1222825	598689	529897
West Azarbayejan.....	964010	955840	476708	413310
Ardebil.....	385977	385977	234845	215569
Esfahan	1650013	1643075	1041245	912632
Alborz.....	853015	850558	618475	590507
Ilam.....	156179	146065	92792	84609
Bushehr.....	294871	293133	186804	186690
Tehran.....	4211229	4175236	2738765	2683972
Chaharmahal & Bakhtiari.....	268041	264353	131193	110264
South Khorasan	203374	195130	77038	69527
Khorasan-e-Razavi	1962533	1901556	951105	923751
North Khorasan	276069	265498	113594	97319
Khuzestan	1320597	1299470	788109	933998
Zanjan	330186	328267	178338	148599
Semnan	208489	207300	124504	124038
Sistan & Baluchestan.....	688602	652793	240010	264684
Fars	1443905	1434700	950207	931938
Qazvin.....	401551	399171	224292	206455
Qom	370836	370482	286545	276063
Kordestan.....	456811	454678	248633	222770
Kerman	929200	922058	466660	466670
Kermanshah.....	603074	589269	281417	272419
Kohgiluyeh & Boyerahmad.....	181346	179088	106585	113090
Golestan.....	570446	564597	356373	328999
Gilan	869191	864835	448819	441766
Lorestan	529429	524267	301698	322758
Mazandaran	1056660	1052402	652350	634567
Markazi.....	479702	459553	234615	233328
Hormozgan	475201	463054	269214	270210
Hamedan.....	572543	564542	295377	281822
Yazd.....	353143	347339	223946	187593

Source: Statistical Centre of Iran.

13. 7. POPULATION AGED SIX AND OVER BY USE OF INFORMATION AND COMMUNICATIONS TECHNOLOGY AND URBAN AND RURAL AREAS

Description	The year 1387		The year 1389	
	Number	Percent	Number	Percent
Total population	66059095	100.0	69136914	100.0
Households with access to mobile phones.....	×	-	37289600	53.9
Households with access to computers.....	×	-	18297957	26.5
Population of Internet users	7940790	12.0	10992097	15.9
Urban Population	44513052	100.0	50096296	100.0
Households with access to mobile phones.....	×	-	30223926	60.3
Households with access to computers.....	×	-	16411960	32.8
Population of Internet users	7234396	16.3	10150658	20.3
Rural population	21546043	100.0	19040618	100.0
Households with access to mobile phones.....	×	-	7065674	37.1
Households with access to computers.....	×	-	1885997	9.9
Population of Internet users	706394	3.3	841439	4.4

Description	The year 1392		The year 1394	
	Number	Percent	Number	Percent
Total population	70562413	100.0	72375210	100.0
Households with access to mobile phones.....	47430649	67.2	56375934	77.9
Households with access to computers.....	24221177	34.3	29782628	41.2
Population of Internet users	21134399	30.0	32811284	45.3
Urban Population	51317490	100.0	53138255	100.0
Households with access to mobile phones.....	36999545	72.1	42765209	80.5
Households with access to computers.....	21235321	41.4	25673669	48.3
Population of Internet users	18761404	36.6	27699198	52.1
Rural population	19244923	100.0	19236955	100.0
Households with access to mobile phones.....	10431104	54.2	13610725	70.8
Households with access to computers.....	2985856	15.5	4108959	21.4
Population of Internet users	2372995	12.3	5112085	26.6

Source: Statistical Centre of Iran.

13.8. POPULATION AGED SIX AND OVER BY USING INFORMATION AND COMMUNICATIONS TECHNOLOGY AND URBAN AND RURAL AREAS

Year and Ostan	Total population aged 6 and over	Population with access to mobile phones	Population with access to computers	population of Internet user
1387.....	66059095	×	×	7940790
1389.....	69136914	37289600	18297957	10992097
1392.....	70562413	47430649	24221177	21134399
1394.....	72375210	56375934	29782628	32811284
East Azarbayejan.....	3563312	2757404	1300715	1384636
West Azarbayejan	2956254	2221354	945744	1003436
Ardebil	1191628	962061	497738	506592
Esfahan.....	4686180	3818371	2302442	2310437
Alborz.....	2409006	1962811	1348457	1345008
Ilam	534832	361267	186361	211258
Bushehr	993096	819150	469759	525803
Tehran	11884924	9502048	6158621	6654897
Chaharmahal & Bakhtiyari	839880	709340	273772	303359
South Khorasan	704528	457335	229310	239822
Khorasan-e-Razavi.....	5771484	4100594	2051771	2264293
North Khorasan.....	822974	551141	235705	255626
Khuzestan.....	4287720	3364171	1598299	2120675
Zanjan.....	980408	885021	365742	382628
Semnan.....	631094	492680	275741	293291
Sistan & Baluchestan	2368029	1371802	480192	659430
Fars.....	4368357	3546413	1936852	2214198
Qazvin	1164361	857800	429097	440649
Qom.....	1115830	870498	613598	622638
Kordestan	1406105	974609	505863	494303
Kerman.....	2823475	2527577	1048786	1243739
Kermanshah	1844106	1349941	558953	703383
Kohgiluyeh & Boyerahmad	651198	488328	260636	309221
Golestan	1744487	1396334	738012	738442
Gilan.....	2421828	1990520	890541	1032938
Lorestan.....	1667626	1315788	569431	724132
Mazandaran.....	2959532	2464422	1354168	1445539
Markazi	1383634	986672	469744	558634
Hormozgan.....	1539257	1205437	593157	710724
Hamedan	1669831	1285458	590931	640371
Yazd	990233	779588	502490	471182

Source: Statistical Centre of Iran.

13.9. NUMBER OF DISAGGREGATED HIGH SPEED INTERNET LINES AT THE END OF THE YEAR 1394

Ostan	Total	Household	Commercial
Total	8825105	6141107	2683998
East Azarbayejan	412754	336443	76311
West Azarbayejan	275015	232858	42157
Ardebil	117847	97278	20569
Esfahan	731996	580488	151508
Alborz.....	204371	68982	135389
Ilam	45172	36935	8237
Bushehr.....	124314	93632	30682
Tehran	2387729	1436135	951594
Chaharmahal & Bakhtiari	76702	62667	14035
South Khorasan	73045	61779	11266
Khorasan-e-Razavi	677280	513906	163374
North Khorasan	61824	44663	17161
Khuzestan	407367	231310	176057
Zanjan	84879	68647	16232
Semnan	106503	85193	21310
Sistan & Baluchestan	106895	87383	19512
Fars	534474	349683	184791
Qazvin	110314	92418	17896
Qom.....	166373	122578	43795
Kordestan	137491	109619	27872
Kerman	229227	158241	70986
Kermanshah	165113	132759	32354
Kohgiluyeh & Boyerahmad	37877	23589	14288
Golestan.....	153996	116366	37630
Gilan.....	248083	182284	65799
Lorestan	107694	84149	23545
Mazandaran	493070	308844	184226
Markazi	147465	124879	22586
Hormozgan	116054	69562	46492
Hamedan	118576	94648	23928
Yazd	165605	133189	32416

Source: Ministry of Communications and Information Technology.

**13.10. NUMBER OF SUBSCRIBERS OF THIRD GENERATION OF THE INTERNET(3G)
BY OPERATOR AT THE END OF THE YEAR 1394**

Ostan	Total	Hamrah Aval	Irancell	Rightel
Total	18681601	9246147	7383691	2051763
East Azarbayejan	693953	396281	257921	39751
West Azarbayejan	495641	278192	186411	31038
Ardebil.....	208909	122593	74442	11874
Esfahan	1067783	619664	358536	89583
Alborz.....	739864	333453	328078	78333
Ilam	106945	68314	33047	5584
Bushehr.....	329330	153997	165157	10176
Tehran	5510307	2655817	1744270	1110220
Chaharmahal & Bakhtiari	153335	106279	35558	11498
South Khorasan	97418	53013	40777	3628
Khorasan-e-Razavi	1050527	473697	507350	69480
North Khorasan	120255	62077	54834	3344
Khuzestan	1190026	511644	610807	67575
Zanjan	186191	118290	56237	11664
Semnan	211239	86167	109980	15092
Sistan & Baluchestan	365870	109795	218084	37991
Fars	1006467	515656	410301	80510
Qazvin	241371	153227	71198	16946
Qom.....	333087	208771	103363	20953
Kordestan	247695	134256	96839	16600
Kerman	558807	260137	240134	58536
Kermanshah	346622	188617	125914	32091
Kohgiluyeh & Boyerahmad	156581	75975	64084	16522
Golestan.....	368725	148333	196164	24228
Gilan.....	535644	294011	195011	46622
Lorestan	259922	140152	103557	16213
Mazandaran	810693	329354	438548	42791
Markazi	283817	164654	95296	23867
Hormozgan	413934	156877	232843	24214
Hamedan	282698	156755	108053	17890
Yazd	307945	170099	120897	16949

Source: Ministry of Communications and Information Technology.

**13.11. CHARACTERISTICS OF INFRASTRUCTURE OF INFORMATION TECHNOLOGY
AT THE END OF THE YEAR**

Year	Capacity of inter-city dark fiber cable (km)	Band width of international internet (gigabyte/second)	Domestic IP network capacity (gigabyte/second)
1390.....	46988	64.30	475
1391.....	50845	71.76	553
1392.....	54122	122.60	850
1393.....	56466	187.10	1500
1394.....	57044	547.00	4000

Source: Ministry of Communications and Information Technology.

13.12. MOBILE PHONE LINES CEDED AND IN USE BY OPERATOR AND OSTAN, THE YEAR 1394

Ostan	Grand total		Hamrah Aval		Irancell		Rightel	
	Lines ceded	Lines in use	Lines ceded	Lines in use	Lines ceded	Lines in use	Lines ceded	Lines in use
Total	149775315	75914506	63485928	43485071	79883920	30546140	6405467	1883295
East Azarbayejan	6254055	3328545	2924328	2036489	3204783	1255321	124944	36735
West Azarbayejan	4985741	2555666	2535111	1597649	2351474	928864	99156	29153
Ardebil	1937969	1012292	927872	626603	971024	374201	39073	11488
Esfahan	9266745	5141320	4540543	3401318	4436325	1654774	289877	85228
Alborz	5591320	1271654	2286572	⁽¹⁾ 000	3082292	1206249	222456	65405
Ilam	1051089	565544	559133	374001	473672	186167	18284	5376
Bushehr	2645317	1390261	971498	741640	1643490	639704	30329	8917
Tehran	30641807	16551439	11306969	⁽¹⁾ 9374200	15919288	6173018	3415550	1004221
Chaharmahal & Bakhtiyari ..	1496351	793767	886064	563653	572293	218944	37994	11170
South Khorasan	1172414	612512	574393	387400	585949	221563	12072	3549
Khorasan-e-Razavi.....	9643513	5028730	3976894	2917448	5448412	2047126	218207	64156
North Khorasan.....	1327111	625709	607439	349838	708552	272602	11120	3269
Khuzestan.....	9960569	4574351	3474217	2110508	6268793	2399878	217559	63965
Zanjan	1647298	854336	891420	560364	719636	283316	36242	10656
Semnan	1804787	854758	686237	434394	1070488	406233	48062	14131
Sistan & Baluchestan	4307022	1843530	1680318	924025	2501122	882582	125582	36923
Fars.....	9248782	4594920	4210861	2747344	4779697	1771654	258224	75922
Qazvin.....	1983361	1089866	1007589	711766	922249	362364	53523	15736
Qom.....	2382695	1263842	1302386	844404	1013478	399789	66831	19649
Kordestan	2408648	1383535	1235350	939017	1122203	429496	51095	15022
Kerman.....	5400058	2738185	2333464	1665293	2878394	1017559	188200	55333
Kermanshah	3283492	1766293	1715174	1157029	1466228	579248	102090	30016
Kohgiluyeh & Boyerahmad ..	1339927	660141	625596	389963	660945	254482	53386	15696
Golestan	3263395	1583874	1223297	803302	1961212	757378	78886	23194
Gilan.....	4973379	2649384	2184381	1611568	2638316	993513	150682	44303
Lorestan.....	2708822	1311655	1308293	771425	1348005	524788	52524	15442
Mazandaran.....	7128992	3712198	2359285	1871289	4630518	1799985	139189	40924
Markazi	2508550	1362621	1199283	859492	1234330	481096	74937	22033
Hormozgan.....	4264144	1999291	1504802	961163	2681535	1015252	77807	22876
Hamedan	2871805	1494119	1373677	908940	1441101	568413	57027	16766
Yazd	2276157	1300168	1073482	843546	1148116	440581	54559	16041

1. Statistics for Alborz are included in Tehran.

Source: Ministry of Communications and Information Technology.

13. 13. OPERATING POSTAL UNITS AND MAILED, THE YEAR 1394

Ostan	Public			Private			
	General department & department	Urban office	Rural office	Postal agency	Joint post & telecommunication office	Government's counter office	Rural ICT office
Total	381	773	17	2087	36	5143	8114
East Azarbayejan	19	31	0	68	0	281	817
West Azarbayejan	18	13	1	108	0	231	472
Ardebil	9	6	0	42	0	107	320
Esfahan	22	73	0	222	5	378	348
Alborz	4	34	0	98	0	116	16
Ilam	8	5	0	0	0	53	108
Bushehr	11	21	0	10	0	54	147
Tehran	19	177	0	0	0	444	34
Chaharmahal & Bakhtiyari	6	20	0	29	0	124	157
South Khorasan	7	7	0	1	0	63	221
Khorasan-e-Razavi	27	25	0	357	0	343	68
North Khorasan	9	0	0	0	14	50	145
Khuzestan	20	29	2	17	11	340	347
Zanjan	8	14	0	138	0	84	241
Semnan	5	20	0	86	0	50	100
Sistan & Baluchestan	15	37	0	56	0	141	261
Fars	30	12	1	97	0	507	542
Qazvin	6	16	0	35	0	78	212
Qom	1	23	0	7	0	76	51
Kordestan	10	13	0	58	6	177	194
Kerman	11	22	1	53	0	163	405
Kermanshah	14	11	0	100	0	126	198
Kohgiluyeh & Boyer-Ahmad	3	4	0	53	0	40	186
Golestan	14	17	0	118	0	128	419
Gilan	16	41	4	7	0	254	423
Lorestan	9	11	6	0	0	71	360
Mazandaran	22	24	0	209	0	322	397
Markazi	10	12	0	10	0	93	238
Hormozgan	11	15	1	22	0	55	140
Hamedan	9	33	0	71	0	133	444
Yazd	8	7	1	15	0	61	103

13.13. OPERATING POSTAL UNITS AND MAILES DISPATCHED, THE YEAR 1394 (continued)

Ostan	P.O. Boxes		Number of mails
	Urban	Rural	
Total	9031	8180	575608715
East Azarbayejan	685	1073	28307520
West Azarbayejan	480	234	14900774
Ardebil	156	132	4956978
Esfahan	519	269	28822639
Alborz	160	96	13513638
Ilam	70	68	2942850
Bushehr	135	194	6969999
Tehran	1782	205	214463565
Chaharmahal & Bakhtiyari	129	163	5399401
South Khorasan	108	204	3371689
Khorasan-e-Razavi.....	431	747	52476235
North Khorasan.....	114	153	6491179
Khuzestan.....	487	151	32671643
Zanjan	154	220	8447974
Semnan	153	105	10089767
Sistan & Baluchestan	274	261	8616607
Fars	260	403	8536613
Qazvin	146	203	5908233
Qom.....	137	57	8254650
Kordestan	157	199	4311305
Kerman	350	290	9034301
Kermanshah	395	283	10720069
Kohgiluyeh & Boyerahmad	114	140	2327354
Golestan	197	353	6461203
Gilan.....	261	289	11779823
Lorestan	203	301	6885228
Mazandaran	228	274	20959736
Markazi	228	280	12679643
Hormozgan	101	268	7223341
Hamedan	248	433	6220757
Yazd	169	132	11864001

Source: Post Company of Islamic Republic of Iran.

**13.14. MAILES DISPATCHED TO IN- OSPAN (CITY & INTERCITY) BY TYPE OF MAIL,
THE YEAR 1394**

Ostan	Grand total	Ordinary mail	Registered mail			
			Mail	Parcel & bag	Printed	Deposit
Total.....	127170004	75946908	18276966	340026	518676	124013
East Azarbayejan.....	5844841	4180351	566948	5817	1735	3402
West Azarbayejan	2894300	1931480	390151	3663	1858	985
Ardebil	1739273	1277735	115984	15541	441	190
Esfahan.....	7983083	5657549	527764	74521	829	5953
Alborz	4640250	3044757	988095	939	905	607
Ilam	763726	565996	50402	2348	82	48
Bushehr	1287902	692088	270311	9649	222	244
Tehran	44906355	17833832	10124471	82492	465094	70740
Chaharmahal & Bakhtiyari ...	988235	755562	81177	752	635	63
South Khorasan.....	874886	587284	100460	358	96	2180
Khorasan-e-Razavi.....	8897620	6840098	524000	5389	18015	8625
North Khorasan	720568	459489	93543	13	65	79
Khuzestan.....	4948896	3679510	230361	9873	394	2052
Zanjan	1775119	1147151	342186	13219	74	109
Semnan.....	3080300	2549034	163609	1321	546	820
Sistan & Baluchestan	3068162	2460624	257955	1920	96	4009
Fars.....	2190234	317773	443410	23091	5604	11006
Qazvin	1330450	852710	172977	88	528	281
Qom.....	2543322	1987642	307023	2264	8799	681
Kordestan	1498283	1087756	90559	6450	10	244
Kerman.....	2101945	1043216	606087	2852	2194	2477
Kermanshah	2743959	2182810	100343	1397	1573	423
Kohgiluyeh & Boyerahmad ...	739047	547922	55802	151	469	56
Golestan	1232120	698912	275763	4420	632	700
Gilan.....	3261716	2061575	338679	40375	225	881
Lorestan.....	1422071	1125204	29298	9464	1240	1719
Mazandaran.....	4784485	3741087	232392	5037	2623	1922
Markazi	3683617	3163525	105755	2294	576	1691
Hormozgan.....	1021418	285062	389983	1387	794	514
Hamedan	2035752	1529746	88841	4567	99	590
Yazd	2168069	1659428	212637	8374	2223	722

**13. 14. MAILED TO IN- OSPAN(CITY & INTERCITY) BY TYPE OF MAIL,
THE YEAR 1394 (continued)**

Ostan	Express mail service		Hand to hand mail	
	Envelope	Parcel	Envelope	Parcel
Total.....	27184363	653918	4076815	48319
East Azarbayejan.....	790651	23689	271771	477
West Azarbayejan.....	499067	7333	59589	174
Ardebil.....	286634	1763	40956	29
Esfahan.....	1147664	60968	500593	7242
Alborz.....	422853	2868	178878	348
Ilam.....	121963	5655	17143	89
Bushehr.....	256671	29774	26222	2721
Tehran.....	14953986	266039	1102539	7162
Chaharmahal & Bakhtiari.....	120464	1101	28473	8
South Khorasan.....	175994	2777	5398	339
Khorasan-e-Razavi.....	1225008	17037	258489	959
North Khorasan.....	125451	375	41220	333
Khuzestan.....	780371	14744	231313	278
Zanjan.....	236905	4898	30570	7
Semnan.....	316650	7978	40202	140
Sistan & Baluchestan.....	319462	4955	18903	238
Fars.....	970288	97139	300319	21604
Qazvin.....	238740	1400	63708	18
Qom.....	180749	7139	48875	150
Kordestan.....	273159	4821	34156	1128
Kerman.....	366910	5387	72764	58
Kermanshah.....	370589	2384	84256	184
Kohgiluyeh & Boyerahmad.....	115206	2827	16562	52
Golestan.....	219777	10576	20580	760
Gilan.....	598796	18783	201567	835
Lorestan.....	173305	8147	73088	606
Mazandaran.....	653769	21863	124378	1414
Markazi.....	382444	3515	23691	126
Hormozgan.....	319177	5635	18571	295
Hamedan.....	302127	8205	101423	154
Yazd.....	239533	4143	40618	391

Source: Post Company of Islamic Republic of Iran.

13. 15. MAILES DISPATCHED TO OUT OF OSPAN, THE YEAR 1394

Ostan	Grand total	Ordinary mail	Registered mail			
			Mail	Parcel & bag	Printed	Deposit
Total country	155140745	102751699	5943666	562893	766521	1040818
East Azarbayejan	6743447	5655769	200982	33216	6088	35230
West Azarbayejan	3116472	2613179	79999	7410	7444	7238
Ardebil	2006252	1728700	42485	4246	757	3885
Esfahan	9324344	7654330	228142	58927	1549	49639
Alborz	5172854	4119377	238399	32331	5267	48096
Ilam	900249	765759	10087	300	22	1256
Bushehr	1255988	936354	17795	3569	289	31122
Tehran	59925755	24128123	3414446	229119	591809	568777
Chaharmahal & Bakhtiari ..	1198386	1022231	35536	2617	62	2621
South Khorasan	1034390	794560	62960	3235	601	8222
Khorasan-e-Razavi.....	10849717	9254251	240981	24538	83844	21261
North Khorasan	782763	621662	27195	1013	508	2589
Khuzestan.....	5854602	4978160	121074	10711	1089	38385
Zanjan	1839090	1552028	56492	4304	243	11325
Semnan	3758747	3448693	79767	11080	487	5515
Sistan & Baluchestan	3673382	3329080	31018	2005	457	7621
Fars	1518463	429928	132983	27221	16279	32277
Qazvin	1491528	1153667	38617	6654	4	10095
Qom.....	3426489	2689163	242480	16828	39728	38193
Kordestan	1810517	1471670	33875	3984	23	10367
Kerman	1899785	1411410	54073	4024	1950	17131
Kermanshah	3388354	2953214	28722	4624	61	6375
Kohgiluyeh & Boyerahmad ..	882675	741306	20433	458	82	2011
Golestan	1339801	945587	94911	12437	1608	5360
Gilan.....	3424595	2789190	69220	11330	1157	23185
Lorestan	1844119	1522335	22748	2933	1276	4891
Mazandaran	5911069	5061471	91878	8935	1219	16172
Markazi	4773990	4280064	66581	13355	320	8959
Hormozgan	797753	385672	49816	8554	1253	9530
Hamedan	2450619	2069657	50107	3960	74	6610
Yazd	2744550	2245109	59864	8975	971	6880

13. 15. MAILES DISPATCHED TO OUT OF OSPAN, THE YEAR 1394 (continued)

Ostan	Express mail service		Hand to hand parcel	
	Parcel	Envelope	Parcel	Envelope
Total	39459844	3973294	528821	113189
East Azarbayejan	691218	111634	8144	1166
West Azarbayejan	353026	43166	4367	643
Ardebil	208308	15647	2033	191
Esfahan	1074925	227718	23479	5635
Alborz	423471	261348	36936	7629
Ilam	107393	12009	3156	267
Bushehr	201078	60076	4852	853
Tehran	28681322	2130854	145397	35908
Chaharmahal & Bakhtiyari ...	122762	8780	3463	314
South Khorasan	142057	19046	3052	657
Khorasan-e-Razavi.....	1022945	149333	38365	14199
North Khorasan.....	105698	7892	14548	1658
Khuzestan.....	607360	55439	40721	1663
Zanjan	196091	16114	2160	333
Semnan	179073	15642	15875	2615
Sistan & Baluchestan	207508	88351	4734	2608
Fars	628705	196335	45135	9600
Qazvin	251124	28249	2833	285
Qom.....	333415	60248	5009	1425
Kordestan	243011	44354	2916	317
Kerman	368584	35259	6380	974
Kermanshah	354269	31134	8611	1344
Kohgiluyeh & Boyerahmad ..	108213	9570	580	22
Golestan	203352	62481	10844	3221
Gilan.....	460377	50897	14666	4573
Lorestan	247049	29154	11419	2314
Mazandaran	643718	58648	25552	3476
Markazi	358114	35315	9211	2071
Hormozgan	285874	48464	7448	1142
Hamedan	285599	22164	10371	2077
Yazd	364205	37973	16564	4009

Source: Post Company of Islamic Republic of Iran.

13.16. MAILES DISPATCHED TO FOREIGN COUNTRIES, THE YEAR 1394

Ostan	Grand total	Ordinary mail	Registered mail			
			Mail	Parcel & bag	Printed	Deposit
Total country	44840920	44674625	24893	44018	5082	66965
East Azarbayejan	2462207	2459030	321	1101	0	1619
West Azarbayejan	1139412	1136164	675	1057	6	671
Ardebil	751912	751608	40	122	0	27
Esfahan	3336655	3327969	471	2659	11	5118
Alborz	1798008	1791033	1432	2382	0	2904
Ilam	333228	332938	7	6	0	10
Bushehr	407883	407110	222	133	0	339
Tehran	10591833	10490475	16650	24364	4227	38932
Chaharmahal & Bakhtiyari ..	444691	444448	48	45	0	82
South Khorasan	345602	345461	23	32	1	49
Khorasan-e-Razavi.....	4029139	4023587	801	2306	35	2139
North Khorasan.....	270443	270287	36	44	0	68
Khuzestan.....	2167864	2164417	283	1098	0	2053
Zanjan	675363	674794	127	231	0	112
Semnan	1499845	1499431	113	58	0	80
Sistan & Baluchestan	1447700	1447426	49	43	0	52
Fars	193823	186925	521	1826	89	4365
Qazvin	502581	501594	177	355	1	385
Qom.....	1171610	1169201	187	1088	619	411
Kordestan	642291	639856	162	658	0	1079
Kerman	614411	613656	54	131	0	463
Kermanshah	1286501	1284006	831	610	17	944
Kohgiluyeh & Boyerahmad ..	322426	322307	34	14	0	25
Golestan	411905	411124	161	282	0	305
Gilan.....	1221041	1212691	693	1752	45	2645
Lorestan	662237	661884	84	114	19	107
Mazandaran	2203374	2200639	386	988	12	1244
Markazi	1861702	1860897	166	141	0	255
Hormozgan	168003	167683	46	24	0	45
Hamedan	900530	899850	40	265	0	318
Yazd.....	976700	976134	53	89	0	119

13.16. MAILES DISPATCHED TO FOREIGN COUNTRIES, THE YEAR 1394 (continued)

Ostan	Express mail service	
	Envelope	Parcel
Total	19351	5986
East Azarbayejan	99	37
West Azarbayejan	184	655
Ardebil	22	93
Esfahan	329	98
Alborz	128	129
Ilam	76	191
Bushehr	59	20
Tehran	13849	3336
Chaharmahal & Bakhtiari	31	37
South Khorasan	22	14
Khorasan-e-Razavi.....	123	148
North Khorasan	1	7
Khuzestan.....	12	1
Zanjan	24	75
Semnan	55	108
Sistan & Baluchestan	75	55
Fars	92	5
Qazvin	27	42
Qom.....	30	74
Kordestan	409	127
Kerman	70	37
Kermanshah	92	1
Kohgiluyeh & Boyerahmad	26	20
Golestan	17	16
Gilan.....	3158	57
Lorestan	21	8
Mazandaran	78	27
Markazi	115	128
Hormozgan	52	153
Hamedan	28	29
Yazd	47	258

Source: Post Company of Islamic Republic of Iran.

13.17. SHORT WAVE RADIO STATIONS AND TRANSMITTERS

Year and Ostan	Station	Transmitter
1375.....	4	23
1380.....	5	34
1385.....	4	28
1390.....	4	28
1391.....	×	28
1392.....	4	28
1393.....	4	28
1394.....	4	26
Tehran	1	12
Khuzestan	1	2
Sistan & Baluchestan	1	2
Kerman.....	1	10

Source: I. R. I. B.