

13 Communications



Introduction

Communication is among significant infrastructure 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.

Communication plays 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 communication 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. Statistical data in this issue are available from the year 1392 on.

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: the units providing 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(Chapter1, Definitions and concepts), or in one of postal districts of Tehran, where all postal operations and services are carried out.

Urban 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 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. This kind of unit is responsible for receiving and dispatching ordinary or registered mail. These units are run by one of the local trustworthy people (usually, a local businessman) under a contract.

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.

Urban post counter: postal units established in areas where there is a high demand for postal services, such as large public or private institutions. In these counters, negotiable bonds are sold and different kinds of mail are received and dispatched in a limited scale.

Rural ICT offices: are offices that provide at least one of the telecommunication, postal, Post Bank, IT services as well as other 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 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, EMSe 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).

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

Number of opened bank accounts: the number of saving accounts (short-term and long-term) and reopened current account in branches, units, offices and Post Bank counters.

Number of issued electronic cards: Total number of electronic cards issued in branches, units, offices and Post Bank counters that provide access to the customer's account for the

customer to receive, pay or transfer money electronically through PINPAD, Point of Sales (POS) and Auto Teller Machines (ATMs),.

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 network: 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 and laptop computers. This definition excludes mobile phones, PDAs and TV sets.

Households having internet access in 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.

Complementary service: refers to all peripheral activities that the activity provider carries out and they do not have business nature and are not income-producing. They only a complement for the service.

License for rendering all Internet services: refers to a license granted for any kind of supply and distribution of internet and data transmission in the internet environment.

License for providing fixed telephone and mobile phone services: refers to a license granted for establishing and using all telecommunicative activities such as voice and data services and local and international value added.

License for providing telecommunicative services of international satellite mobile phone communications: providing telephone, fax and data services with low speed (narrow band) and value added services such as SMS by satellite through mobile or fixed bands to cross-country subscribers.

Licence for providing communicative services based on WiMAX technology: By using this technology, the holder of the licence is allowed to provide his/her subscribers with the services: such as voice services, internet and intranet services and other broadband services.

Licence for establishing Counter Offices of government's services: refers to a permit for establishing and providing services through these kinds of Offices.

Lisence for scientific network of the country: This lisenice is granted to scientific, research centres and universities for providing domestic voice services, internet private and visual network, video conference and holding visual training courses.

Lisence for providing postal services: This licence is granted to the qualified persons for providing postal services.

Authorization for using service codes: This authorization containing using service codes including cession of telephone numbers with digits shorter than ordinary numbers to qualified applicants.

Lisence for using radio networks: Granting this licence makes the establishment and using of transmission, distribution or reception of radio waves possible for specified purposes of long distance telecommunication and using private and unprofessional wirelesses.

Lisence for supplying services of producing, importing, transacting of radio sets: Granting this licence makes services of importing, transacting, producing and selling of radio sets possible the use of which requires receiving a licence.

Selected information

In the year 1393, the number of installed telephones was 33703240 out of which 29417318 telephones are in use. The number of installed telephones and telephones in use increased 4.2% and 3.4%, 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 137190786 out of which 18241713 and 118949074 was postpaid and prepaid lines, respectively. In the year 1393, the number of mobile phones in use was 70920183 out of which 14847100 and 56073083 were postpaid and prepaid lines, respectively.

At the end of the year 1393, total number of operating mobile phone lines was 70920183 that increased 11.1% compared to the previous year. Out of this number, the Ostans of Tehran, Khorasan-e-Razavi, Esfahan, Fars and Khuzestan with 15945025, 5258619, 4865937, 4400096 and 4321121 had the highest mobile

phone subscribers compared to other Ostans, respectively.

In the year 1393, population coverage of mobile phone was as follows: 94.2% for Hamrah Aval, 85.5% for Irancell and 52.0% for Rightel operators. In the year 1393, the total number of nationwide high-speed Internet Lines is 7574042, out of which 5177788 lines are for household and 2396254 lines are for commercial use.

Among Ostans of the country, Ostans of Tehran, Esfahan, Khorasan-e-Razavi, Fars and Mazandaran had the largest share of high speed internet with 2127186, 606742, 553347, 445221 and 418575, respectively.

In the year 1393, the capacity of inter-city dark fiber was 56466 kilometers while international internet bandwidth was 187.1 and domestic IP network capacity was 1500 gigabyte/second.

In the year 1393, total number of urban and inter-city mails in intra-provinces by type of mail was 135304000. The number of dispatched outprovince mails was 170700000 and the number of mails dispatched to foreign destinations was 49663000 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 telephones	Telephones in use	Rural areas with telephone communication
1375	6690549	5824968	14550
1380	12170431	10896572	31893
1385	27143632	22626944	51058
1389	31129833	25417570	34455
1390	31377423	26540207	52704
1391	31705021	27478443	52965
1392	32355606	28462360	52916
1393	33703240	29417318	54320
East Azarbayejan	1770036	1564750	2634
West Azarbayejan	1117632	1063172	3079
Ardebil	513000	424231	1682
Esfahan	2758812	2322300	1572
Alborz ⁽¹⁾	000	000	000
Ilam	183629	153791	529
Bushehr	406468	320276	564
Tehran ⁽¹⁾	8942463	7897760	1118
Chaharmahal & Bakhtiari	274711	256146	702
South Khorasan	335880	286497	1669
Khorasan-e-Razavi	2432826	2187931	3233
North Khorasan	297966	256548	774
Khuzestan	1270951	1100687	2834
Zanjan	397136	353230	878
Semnan	338367	313000	474
Sistan & Baluchestan	508391	446798	4788
Fars	1848104	1587227	3390
Qazvin	532357	420856	821
Qom	583857	488609	152
Kordestan	541624	501679	1603
Kerman	870010	843976	4634
Kermanshah	650391	569510	2427
Kohgiluyeh & Boyer-Ahmad	181554	155765	1662
Golestan	678533	593360	1005
Gilan	1112459	1060589	2498
Lorestan	549593	462002	2375
Mazandaran	2014932	1590370	2974
Markazi	659995	584300	1036
Hormozgan	581679	510128	1334
Hamedan	750209	591104	1085
Yazd	599675	510726	794

1. Statistics for Alborz are included with Tehran.

Source: Ministry of Communication and Information Technology.

13.2. CEDED AND IN -USE MOBILE 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

Year	Hamrah 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

Year	Irandell 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

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

Source: Ministry of Communications and Information Technology.

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

Ostan	1375	1380	1385	1389	1390	1391	1392	1393
Total	59967	2087353	15385289	¹⁾ 50206896	¹⁾ 55426281	59402896	63831568	70920183
East Azarbayejan	793	71800	677603	1380818	1563767	2629302	2748472	3210766
West Azarbayejan	491	38451	452780	1028460	1191889	1946342	2097744	2321748
Ardebil	110	14764	187132	409136	478572	805506	871535	884015
Esfahan	2581	163287	1262229	2564108	2721412	4159149	4349182	4865937
Alborz	⁽²⁾ 000	⁽²⁾ 000	⁽²⁾ 000	1222945	1230936	1818617	2098663	1509983
Ilam	107	5759	94736	246204	275665	414849	455223	461663
Bushehr	121	18442	208046	527124	581251	951418	1024801	1094448
Tehran	⁽²⁾ 49199	⁽²⁾ 1152213	⁽²⁾ 4901491	5785489	6212503	12129494	12274731	15945025
Chaharmahal & Bakhtiari ..	86	9661	146267	387716	415449	594288	675792	710475
South Khorasan	⁽³⁾ 000	⁽³⁾ 000	49362	216351	237395	368172	424193	481293
Khorasan-e-Razavi	⁽³⁾ 798	⁽³⁾ 116554	1005295	1972203	2107934	4639663	4988290	5258619
North Khorasan	⁽³⁾ 000	⁽³⁾ 000	65679	225107	238071	516074	568170	591501
Khuzestan	582	55318	850009	1770087	1818244	3678310	3927707	4321121
Zanjan	200	6899	140883	399953	428550	694517	728446	777570
Semnan	98	17348	134398	354779	363782	543002	645997	688847
Sistan & Baluchestan	000	21632	209738	699719	764364	1348913	1403556	1630768
Fars	1188	109712	1034788	2075280	2241980	3672958	4106194	4400096
Qazvin	1094	15252	202140	491509	568222	946516	972933	1060281
Qom	270	21369	220885	570543	640273	973932	1015509	1054779
Kordestan	44	5984	187162	591570	670777	1042581	1141867	1195708
Kerman	361	48772	483961	1205804	1343656	1900466	2090285	2367324
Kermanshah	186	14960	304897	797137	867652	1406697	1516867	1589910
Kohgiluyeh & Boyerahmad ..	95	6715	81371	239385	274000	461946	487020	528648
Golestan	⁽⁴⁾ 000	9585	199410	653374	701296	1247510	1344071	1472081
Gilan	206	30352	493438	1245432	1349714	2116999	2466853	2460526
Lorestan	130	8437	223914	555195	596526	1152349	1268215	1304866
Mazandaran	⁽⁴⁾ 274	39571	603418	1299056	1415029	2751504	3129064	3492206
Markazi	236	22448	243380	637494	706677	1093816	1155436	1191819
Hormozgan	182	21466	208815	664999	723170	1334705	1521513	1545019
Hamedan	298	12163	244160	681330	732160	1226222	1341387	1356828
Yazd	237	28439	267902	628589	694106	837079	991852	1146313

1. A number of 18680000 and 21271259 Irancell SIM cards are included in the total for the years 1389 and 1390, respectively.

2. Statistics for Alborz are included with Tehran.

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

3. 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 - km)

Year	Hamrah 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	8925.0	1173	43641
1393	94.2	31568.3	34591.6	8926.0	1244	44273

Year	Iracell			
	Coverage of population	Coverage of main roads, by-roads and rail roads	Cities under coverage	Villages under coverage
1392	82.7	24317.3	1126	1086
1393	85.5	29760.1	1180	1155

Year	Rightel			
	Coverage of population	Coverage of main roads, by-roads and rail roads	Cities under coverage	Villages under coverage
1392	48.0	509.5	161	0
1393	52.0	509.5	222	0

Source: Ministry of Communications and Information Technology.

13.5. NUMBER OF HOUSEHOLDS BY ACCESS TO INFORMATION TECHNOLOGY AND COMMUNICATIONS AND OSTAN

Year and Ostan	Total households	Households with fixed telephones	Households with mobile phones	Households with computers	Households with access to internet at their home
1387	18779479	15980925	13389396	5665902	3411499
1389	20286247	19227132	17388037	7146171	4336567
1392	22821770	21921323	21119173	10468407	8625067
East Azarbayejan	1163851	1142118	1076022	520114	397228
West Azarbayejan	897253	882814	849457	337702	280694
Ardebil	363372	352779	337319	145960	116792
Esfahan	1557834	1518265	1441299	767166	592496
Alborz	790129	753581	724738	434477	368164
Ilam	146305	142690	140125	74333	57280
Bushehr	271928	263891	259740	142570	110420
Tehran	3985415	3946157	3791517	2336341	2045463
Chaharmahal & Bakhtiari	252070	224963	228835	98684	74343
South Khorasan	193835	171169	164538	64693	50510
Khorasan-e-Razavi	1846567	1781813	1646033	721324	571880
North Khorasan	259324	249425	219820	90791	64676
Khuzestan	1221547	1201743	1199520	607337	529588
Zanjan	309772	301254	275338	109632	90598
Semnan	197959	192198	175167	96844	75757
Sistan & Baluchestan	640910	461487	509837	146064	121397
Fars	1351102	1310934	1271920	660951	526265
Qazvin	378363	373242	352399	161002	120609
Qom	347371	341394	322185	183917	162297
Kordestan	430945	420078	406469	149739	106440
Kerman	860831	774584	744363	306385	248644
Kermanshah	568720	553024	535715	203324	176106
Kohgiluyeh & Boyer-Ahmad	169331	166548	165428	69839	64000
Golestan	529129	506977	498995	210116	149548
Gilan	825954	783357	747676	306564	258418
Lorestan	497726	492416	477470	207178	175243
Mazandaran	997527	976174	942137	520217	413473
Markazi	454719	453124	435195	212670	167495
Hormozgan	438038	337932	367437	198141	189693
Hamedan	541220	517260	509383	208635	177462
Yazd	332721	327929	303098	175697	142089

Source: Statistical Centre of Iran

13.6. POPULATION OF SIX YEARS AND OVER BY USING INFORMATION TECHNOLOGY AND COMMUNICATIONS BY OSTAN.

Year and Ostan	Total population aged 6 years and over	Population with mobile phones	Population using computer	Population using Internet
1387	66059095	×	×	7940790
1389	69136914	37289600	18297957	10992097
1392	70562413	47430649	24221177	21134399
East Azarbayejan	3484822	2303619	1204962	981933
West Azarbayejan	2842876	1771199	723749	613928
Ardebil	1147625	715920	347645	287881
Esfahan	4585900	3216467	1572956	1336608
Alborz	2322131	1698444	910176	817028
Ilam	526337	351119	204777	163818
Bushehr	949243	700771	377422	337844
Tehran	11608880	8869392	5781029	5398382
Chaharmahal & Bakhtiari	832821	525628	238034	197061
South Khorasan	676738	370215	189802	167294
Khorasan-e-Razavi	5668388	3484993	1688023	1422765
North Khorasan	803239	421189	209515	156067
Khuzestan	4158119	2835509	1386110	1153105
Zanjan	951216	615675	286824	252708
Semnan	608289	418374	226190	194885
Sistan & Baluchestan	2282069	964009	366787	312059
Fars	4304099	2994711	1602694	1354968
Qazvin	1134648	779056	379194	307027
Qom	1085548	760637	452279	396771
Kordestan	1368098	855983	339710	283194
Kerman	2764351	1602916	713883	653003
Kermanshah	1800587	1153985	398300	366944
Kohgiluyeh & Boyerahmad	620166	394290	180719	167744
Golestan	1657739	986308	441784	355855
Gilan	2343066	1745708	601950	532228
Lorestan	1649003	976575	412355	364439
Mazandaran	2956844	2174983	1126774	903727
Markazi	1323260	893052	449621	393343
Hormozgan	1510363	1049204	498523	489659
Hamedan	1645892	1136175	509373	445749
Yazd	950056	664544	400019	326381

Source: Statistical Centre of Iran.

**13.7. ESTIMATE OF HOUSEHOLDS ACCESS AND POPULATION AGED SIX AND OVER
USING INFORMATION TECHNOLOGY AND COMMUNICATIONS: 1393**

Description	Number of accesses / uses
Household	
Total number of households of the country	23811748
Households with access to fixed telephones	22872483
Households with access to mobile phones	22175131
Households with access to computers.....	12493307
Households with access to internet at their home	10649967
Population aged six and over	
Total population aged 6 and over.....	71234148
Population aged 6 year and over with mobile phones.....	49802182
Population aged 6 year and over using computers.....	28913056
Population aged 6 year and over using internet	28033212

Source: Statistical Centre of Iran.

13.8. NUMBER OF DISAGGREGATED HIGH SPEED INTERNET LINES AT THE END OF THE YEAR 1393

Ostan	Total	Household	Commercial
Total	7574042	5177788	2396254
East Azarbayejan	361075	290474	70601
West Azarbayejan	238471	200476	37995
Ardebil	99843	81990	17853
Esfahan	606742	475446	131296
Alborz	193430	65364	128066
Ilam	37169	29867	7302
Bushehr	110351	81556	28795
Tehran	2127186	1237864	889322
Chaharmahal & Bakhtiyari	61283	51407	9876
South Khorasan	59619	50722	8897
Khorasan-e-Razavi	553347	413337	140010
North Khorasan	50258	36043	14215
Khuzestan	416141	248206	167935
Zanjan	71286	57581	13705
Semnan	89302	70547	18755
Sistan & Baluchestan	86117	69622	16495
Fars	445221	288974	156247
Qazvin	96217	81153	15064
Qom	135397	98527	36870
Kordestan	112034	88902	23132
Kerman	171477	116130	55347
Kermanshah	136853	109355	27498
Kohgiluyeh & Boyerahmad	29860	17270	12590
Golestan	128837	99748	29089
Gilan	190878	136031	54847
Lorestan	86240	66294	19946
Mazandaran	418575	264707	153868
Markazi	118374	97319	21055
Hormozgan	110193	63368	46825
Hamedan	97829	80777	17052
Yazd	134437	108731	25706

Source: Ministry of Communications and Information Technology.

13.9. NUMBER OF SUBSCRIBERS OF THIRD GENERATION OF INTERNET(3G) BY OPERATOR AT THE END OF THE YEAR 1393

Ostan	Total	Hamrah Aval	Irancell	Rightel
Total	7081918	1393723	3098017	2590178
East Azarbayejan	255200	73559	122772	58869
West Azarbayejan.....	162043	30725	88723	42595
Ardebil	74072	25222	34848	14002
Esfahan	230665	92223	53375	85067
Alborz.....	411933	47289	243737	120907
Ilam	22712	1443	14792	6477
Bushehr.....	64650	30676	17833	16141
Tehran	2899052	472731	1023136	1403185
Chaharmahal & Bakhtiyari.....	15349	627	3650	11072
South Khorasan	23174	5217	13713	4244
Khorasan-e-Razavi	430688	22854	308073	99761
North Khorasan.....	31033	5750	20973	4310
Khuzestan	375584	113143	166560	95881
Zanjan.....	49768	11998	23368	14402
Semnan	38865	2744	15435	20686
Sistan & Baluchestan.....	65160	1099	19257	44804
Fars	363716	100549	162968	100199
Qazvin.....	71734	14155	41064	16515
Qom	148266	33844	84380	30042
Kordestan.....	81278	18364	41951	20963
Kerman	98199	2610	26128	69461
Kermanshah.....	120136	22733	66821	30582
Kohgiluyeh & Boyerahmad.....	26252	1945	8523	15784
Golestan.....	99202	24699	41045	33458
Gilan	202755	56638	104975	41142
Lorestan	82555	20661	43370	18524
Mazandaran	232687	50348	115668	66671
Markazi.....	79761	9077	43233	27451
Hormozgan	175999	57538	82112	36349
Hamedan.....	107596	39950	48941	18705
Yazd.....	41834	3312	16593	21929

Source: Ministry of Communications and Information Technology.

13.10. 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	64.3	475
1391	50845	71.8	553
1392	54122	122.6	850
1393	56466	187.1	1500

Source: Ministry of Communications and Information Technology.

13.11. SHORT WAVE RADIO STATIONS AND TRANSMITTERS

Year and Ostan	Station	Transmitter
1375	4	23
1380	5	34
1385	4	28
1389	4	28
1390	4	28
1391	×	28
1392	4	28
1393	4	28
Tehran	1	14
Khuzestan	1	2
Sistan & Baluchestan	1	2
Kerman	1	10

Source: I. R. I. B.

13.12. MOBILE PHONE LINES CEDED AND IN USE BY OPERATOR AND OSTAN:1393

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	137190786	70920183	62917049	40437655	69888651	28114580	4385086	2367948
East Azarbayejan	5391245	3210766	2787819	2149642	2503031	1006911	100395	54213
West Azarbayejan.....	4502187	2321748	2432184	1478910	1996496	803144	73507	39694
Ardebil	1666096	884015	888285	567674	752795	302832	25016	13509
Esfahan	9415254	4865937	4609884	2912245	4655772	1872909	149598	80783
Alborz	5912909	1509983	2222890	000	3504333	1409712	185686	100271
Ilam.....	861394	461663	552930	335988	296942	119453	11522	6222
Bushehr.....	2100697	1094448	999809	647990	1074773	432356	26115	14102
Tehran.....	26572388	15945025	10592672	⁽¹⁾ 9192535	13625558	5481245	2354158	1271245
Chaharmahal & Bakhtiyari.....	1392461	710475	890997	505999	481503	193697	19961	10779
South Khorasan.....	874798	481293	542753	346653	324299	130458	7746	4182
Khorasan-e-Razavi	10241907	5258619	4018194	2731592	6054018	2435391	169695	91636
North Khorasan.....	1333507	591501	614707	301271	711001	286019	7799	4211
Khuzestan	9401385	4321121	3713563	2009966	5520269	2220676	167553	90479
Zanjan	1498412	777570	880662	525744	593651	238812	24099	13014
Semnan	1341939	688847	671446	414184	634630	255297	35863	19366
Sistan & Baluchestan.....	3762057	1630768	1640917	766395	2040637	820901	80503	43472
Fars	9166222	4400096	4295136	2416789	4698405	1890059	172681	93248
Qazvin.....	1949328	1060281	973106	663762	948576	381590	27646	14929
Qom	2031506	1054779	1301151	753846	678597	272984	51758	27949
Kordestan.....	2051271	1195708	1215705	854895	801555	322447	34011	18366
Kerman	4542181	2367324	2468613	1516611	1953297	785766	120271	64947
Kermanshah	2940595	1589910	1662640	1068804	1227024	493603	50931	27503
Kohgiluyeh & Boyerahmad.....	1151486	528648	650444	323323	473691	190555	27351	14770
Golestan	3004675	1472081	1204622	739787	1740699	700243	59354	32051
Gilan	4507185	2460526	2193009	1519814	2243217	902394	70959	38318
Lorestan	2865589	1304866	1422005	719691	1411237	567708	32347	17467
Mazandaran	6710751	3492206	2400330	1741900	4191891	1686300	118530	64006
Markazi.....	2144561	1191819	1184252	799160	914206	367764	46103	24895
Hormozgan	3250693	1545019	1442792	808959	1744125	701621	63776	34439
Hamedan.....	2558892	1356828	1324802	856014	1202367	483684	31723	17130
Yazd.....	2047215	1146313	1118730	767512	890056	358049	38429	20752

1. Statistics for Alborz are included in Tehran.

Source: Ministry of Communications and Information Technology.

13.13. OPERATING POSTAL UNITS AND MAILS DISPATCHED, THE YEAR 1393

Ostan	Public			Private			
	General department & department	Urban office	Rural office	Postal agency	Joint post & telecommunications office	Government's counter office	Rural ICT office
Total	367	759	75	1436	22	5058	9851
East Azarbayejan	19	31	0	63	0	258	817
West Azarbayejan.....	18	13	2	100	0	232	484
Ardebil.....	9	6	0	60	0	112	320
Esfahan	22	62	3	145	11	375	450
Alborz.....	1	40	52	52	0	52	4
Ilam.....	8	9	0	7	0	43	108
Bushehr.....	9	13	0	10	0	91	166
Tehran	19	177	2	0	0	493	152
Chaharmahal & Bakhtiari	6	20	0	27	0	124	157
South Khorasan	7	7	0	2	0	59	220
Khorasan-e-Razavi	20	16	0	0	0	349	1177
North Khorasan.....	9	0	0	14	0	50	145
Khuzestan	16	46	2	21	11	307	347
Zanjan.....	7	15	0	121	0	64	240
Semnan	5	20	0	86	0	50	100
Sistan & Baluchestan.....	15	13	0	56	0	72	261
Fars	30	12	1	101	0	495	542
Qazvin.....	6	16	0	30	0	78	212
Qom	1	23	0	4	0	77	54
Kordestan.....	10	13	0	30	0	175	186
Kerman	11	22	1	48	0	176	405
Kermanshah.....	14	11	0	82	0	175	215
Kohgiluyeh & Boyerahmad.....	5	7	0	0	0	37	186
Golestan.....	14	17	0	104	0	128	419
Gilan	16	45	4	9	0	261	451
Lorestan	9	11	6	0	0	71	360
Mazandaran	22	29	0	139	0	306	496
Markazi.....	10	9	0	0	0	92	277
Hormozgan	12	16	1	40	0	62	340
Hamedan.....	9	33	0	71	0	133	444
Yazd.....	8	7	1	14	0	61	116

13.13. OPERATING POSTAL UNITS AND MAILES DISPATCHED, THE YEAR 1393 (continued)

Ostan	P.O. Boxes		Number of mails
	Urban	Rural	
Total	9916	7781	632595518
East Azarbayejan	685	1073	28178528
West Azarbayejan.....	475	225	15745405
Ardebil	156	132	5058966
Esfahan	560	288	29871574
Alborz	160	96	13953048
Ilam.....	85	41	2480876
Bushehr.....	151	244	7341687
Tehran.....	1875	209	243914450
Chaharmahal & Bakhtiari.....	129	163	5178510
South Khorasan.....	104	140	3246094
Khorasan-e-Razavi	1002	706	49747683
North Khorasan.....	117	144	5883588
Khuzestan	442	193	32633963
Zanjan	153	220	9281355
Semnan	153	105	13660122
Sistan & Baluchestan.....	274	109	7891983
Fars	466	386	14699954
Qazvin.....	146	203	5807475
Qom	137	57	6682971
Kordestan.....	153	174	4858535
Kerman	350	290	6782239
Kermanshah.....	395	283	12610891
Kohgiluyeh & Boyerahmad.....	80	189	3025488
Golestan	198	359	11153492
Gilan	267	311	11615898
Lorestan	203	301	6663595
Mazandaran	223	275	31341536
Markazi.....	215	277	13279366
Hormozgan	138	22	5728042
Hamedan.....	248	433	11591934
Yazd.....	176	133	12686270

Source: Post Company of Islamic Republic of Iran.

**13.14. MAILES DISPATCHED TO IN- OSTAN(CITY & INTERCITY) BY TYPE OF MAIL,
THE YEAR 1393**

Ostan	Grand total	Ordinary mail	Registered mail			
			Mail	Parcel & bag	Printed	Deposit
Total	135304048	84123093	17162902	371591	417739	105367
East Azarbayejan	9832777	8081726	601591	8303	3964	4418
West Azarbayejan	3047158	2071424	429031	5392	408	1425
Ardebil	1626287	1265390	51793	413	259	298
Esfahan	7709052	5549001	523130	91137	2448	6874
Alborz	3619362	2330592	783792	2811	2080	460
Ilam	724577	518246	64147	3807	25	26
Bushehr	1590006	1027516	170609	9458	129	204
Tehran	50470249	22244592	9564353	80600	359962	54122
Chaharmahal & Bakhtiyari	934608	691646	104821	1307	614	38
South Khorasan	998075	730763	80992	501	249	648
Khorasan-e-Razavi	2495733	415179	623323	32268	27859	5445
North Khorasan	1092785	840096	77913	55	0	175
Khuzestan	4758537	3501971	256369	11888	146	1763
Zanjan	1528691	1071411	186366	15383	12	213
Semnan	4551080	3880036	341436	1022	79	1212
Sistan & Baluchestan	2879304	2170056	244685	244	1085	5114
Fars	3492084	1561846	335848	10028	3877	8381
Qazvin	1404921	992358	146293	429	19	265
Qom	2040030	1612516	241146	3133	6224	418
Kordestan	1645385	1253695	93729	10071	4	273
Kerman	1963825	1187225	394419	3140	4484	2544
Kermanshah	1699383	1228586	68206	477	157	416
Kohgiluyeh & Boyerahmad	883542	703915	55156	111	200	193
Golestan	2087780	1537732	297844	6251	883	840
Gilan	2854682	1633429	348119	46055	515	935
Lorestan	511807	203367	22459	6291	624	2142
Mazandaran	7576698	6650894	260314	5798	351	2922
Markazi	3758073	3311686	97820	436	397	811
Hormozgan	1458193	776848	384747	977	158	450
Hamedan	3895391	3379365	92171	3677	61	1432
Yazd	2173973	1699986	220280	10128	466	910

**13.14. MAILES DISPATCHED TO IN- OSPAN(CITY & INTERCITY) BY TYPE OF MAIL,
THE YEAR 1393 (continued)**

Ostan	Express mail service		Hand to hand mail	
	Envelope	Parcel	Envelope	Parcel
Total	28779677	729292	3571992	42395
East Azarbayejan	783709	31878	316293	895
West Azarbayejan	469869	8251	61152	206
Ardebil	255787	2309	49989	49
Esfahan	1006805	80309	437218	12130
Alborz	319205	4671	175305	446
Ilam	111900	7869	17431	1126
Bushehr	334826	25221	21651	392
Tehran	16922610	312067	923670	8273
Chaharmahal & Bakhtiyari	104481	869	30828	4
South Khorasan	179891	3060	1912	59
Khorasan-e-Razavi	1196569	35277	158752	1061
North Khorasan	142959	565	30950	72
Khuzestan	770141	19007	196870	382
Zanjan	227382	3691	24218	15
Semnan	283316	4304	39523	152
Sistan & Baluchestan	422632	5269	29782	437
Fars	1233774	55770	272640	9920
Qazvin	208613	1587	55316	41
Qom	127176	5260	44101	56
Kordestan	242416	7505	36501	1191
Kerman	325207	7116	39626	64
Kermanshah	341661	1968	57685	227
Kohgiluyeh & Boyerahmad ...	102620	3123	18097	127
Golestan	201221	14098	27934	977
Gilan	606119	18730	199701	1079
Lorestan	210552	7957	57509	906
Mazandaran	512518	38134	104215	1552
Markazi	325978	3936	16927	82
Hormozgan	273842	5968	15094	109
Hamedan	313462	9099	95983	141
Yazd	222436	4424	15119	224

Source: Post Company of Islamic Republic of Iran.

13.15. MAILS DISPATCHED TO OUT OF OSTAN, THE YEAR 1393

Ostan	Grand total	Ordinary mail	Registered mail			
			Mail	Parcel & bag	Printed	Deposit
Total	170699869	113813596	5831876	411075	549303	873050
East Azarbayejan	11998934	10934100	202020	21132	2565	27681
West Azarbayejan	3295095	2802515	79950	4303	471	6076
Ardebil	1994774	1711998	40479	2833	57	3603
Esfahan	9243683	7507472	264904	44115	3100	46476
Alborz.....	5694563	3153154	238093	21962	5500	19900
Ilam	845024	701156	8114	326	0	1082
Bushehr.....	1695042	1390168	16894	1106	34	20541
Tehran	68558297	30095628	3208635	195534	447030	446803
Chaharmahal & Bakhtiyari....	1118644	935756	33840	1697	218	2373
South Khorasan.....	1214396	988679	35643	2449	425	7854
Khorasan-e-Razavi	2221312	561713	286963	15413	46022	19818
North Khorasan.....	1302114	1136601	19219	799	2	2693
Khuzestan	5641114	4737960	111841	4841	658	44173
Zanjan.....	1731250	1449556	37374	3125	117	12639
Semnan	5562633	5249461	75245	6881	1236	4699
Sistan & Baluchestan.....	3290297	2935958	34538	1590	46	7845
Fars	3197828	2113085	139334	10795	3621	30343
Qazvin.....	1681855	1342602	39590	4592	148	10031
Qom	2932451	2181639	265655	11307	31385	36573
Kordestan.....	2044546	1696176	29086	3425	14	12465
Kerman	2115790	1606245	49883	3222	2166	17969
Kermanshah.....	2090477	1662204	25524	1573	114	5867
Kohgiluyeh & Boyerahmad....	1102835	952356	30410	399	50	1657
Golestan.....	2511021	2080461	109448	12917	966	6196
Gilan	2872532	2209933	82206	6951	832	24869
Lorestan	619142	275143	29084	1334	469	5694
Mazandaran	9852984	8998269	95781	6584	527	12823
Markazi	4984804	4480516	70377	4491	422	8661
Hormozgan	1520426	1051029	71007	8153	498	12109
Hamedan	4963739	4572082	46238	2804	295	6505
Yazd	2802267	2299981	54501	4422	315	7032

13.15. MAILS DISPATCHED TO OUT OF OSTAN, THE YEAR 1393 (continued)

Ostan	Express mail service		Hand to hand parcel	
	Parcel	Envelope	Parcel	Envelope
Total	44728410	3863326	528562	100671
East Azarbayejan	707660	91976	10162	1638
West Azarbayejan	363944	31790	5420	626
Ardebil	217195	15254	3014	341
Esfahan	1105719	242172	23689	6036
Alborz	1941627	266636	39955	7736
Ilam	113569	12453	7821	503
Bushehr	213853	47319	4547	580
Tehran	31919922	2075891	138257	30597
Chaharmahal & Bakhtiyari	130441	9429	4617	273
South Khorasan	157023	19681	1958	684
Khorasan-e-Razavi	1099445	153483	30587	7868
North Khorasan	115952	6931	18032	1885
Khuzestan	632064	77732	29567	2278
Zanjan	210376	14452	3227	384
Semnan	191207	16711	14923	2270
Sistan & Baluchestan	221179	77881	7571	3689
Fars	708595	132095	52274	7686
Qazvin	257111	23961	3563	257
Qom	343298	57358	4362	874
Kordestan	244763	54060	3461	1096
Kerman	391641	39351	4735	578
Kermanshah	345150	31216	16712	2117
Kohgiluyeh & Boyerahmad	107139	9721	1030	73
Golestan	222473	62454	12047	4059
Gilan	479489	49089	15794	3369
Lorestan	270091	23412	11655	2260
Mazandaran	649522	65671	20466	3341
Markazi	380410	34334	4969	624
Hormozgan	310814	58617	6602	1597
Hamedan	297609	23551	12709	1946
Yazd	379129	38645	14836	3406

Source: Post Company of Islamic Republic of Iran.

13.16. MAILES DISPATCHED TO FOREIGN COUNTRIES, THE YEAR 1393

Ostan	Grand total	Ordinary mail	Registered mail			
			Mail	Parcel & bag	Printed	Deposit
Total	49662893	49484172	28611	47565	9226	75237
East Azarbayejan	4757440	4753956	431	1316	0	1643
West Azarbayejan	1221671	1218485	745	1042	3	987
Ardebil	744698	744347	30	172	0	99
Esfahan	3273217	3264118	579	2390	26	5267
Alborz	1377729	1370936	1581	2320	0	2771
Ilam	305124	304850	0	37	0	16
Bushehr	605371	604421	139	126	0	635
Tehran	13196754	13085057	19511	27346	7410	44464
Chaharmahal & Bakhtiyari ...	407102	406850	95	28	0	109
South Khorasan	430032	429860	35	28	5	64
Khorasan-e-Razavi	250354	244223	817	2484	139	2529
North Khorasan	494378	494174	81	49	0	52
Khuzestan	2063708	2059983	318	983	12	2354
Zanjan	630848	630242	160	188	0	146
Semnan	2282754	2282374	112	66	0	82
Sistan & Baluchestan	1276776	1276504	43	50	0	82
Fars	926123	918733	584	1775	157	4781
Qazvin	584799	583740	176	340	0	446
Qom	952517	948539	203	1820	1359	450
Kordestan	740068	737468	257	760	2	1110
Kerman	699070	698367	34	104	0	474
Kermanshah	724761	722697	447	540	17	1039
Kohgiluyeh & Boyerahmad...	414176	414068	43	32	0	13
Golestan	905442	904548	172	307	0	382
Gilan	966960	960841	648	1547	53	2754
Lorestan	120034	119627	102	115	28	125
Mazandaran	3915499	3912291	612	1078	15	1349
Markazi	1948810	1948050	204	142	0	317
Hormozgan	457588	456969	378	69	0	139
Hamedan	1988556	1987862	31	252	0	380
Yazd	1000534	999992	43	59	0	178

13.16. MAILES DISPATCHED TO FOREIGN COUNTRIES, THE YEAR 1393 (continued)

Ostan	Express mail service	
	Envelope	Parcel
Total	14152	3930
East Azarbayejan	76	18
West Azarbayejan	172	237
Ardebil	20	30
Esfahan	706	131
Alborz	111	10
Ilam	2	219
Bushehr	40	10
Tehran	10663	2303
Chaharmahal & Bakhtiyari	19	1
South Khorasan	12	28
Khorasan-e-Razavi	68	94
North Khorasan	10	12
Khuzestan	47	11
Zanjan	20	92
Semnan	42	78
Sistan & Baluchestan	64	33
Fars	90	3
Qazvin	62	35
Qom	52	94
Kordestan	412	59
Kerman	63	28
Kermanshah	21	0
Kohgiluyeh & Boyer-Ahmad	6	14
Golestan	20	13
Gilan	1055	62
Lorestan	27	10
Mazandaran	117	37
Markazi	72	25
Hormozgan	31	2
Hamedan	7	24
Yazd	45	217

Source: Post Company of Islamic Republic of Iran.