

Introduction

The statistical information appeared in this chapter includes “geographical characteristics and administrative divisions”, and “climate”.

1. Geographical characteristics and administrative divisions

Iran comprises a land area of over 1.6 million square kilometers. It lies down on the southern half of the northern temperate zone, between latitudes 25° 04' and 39° 46' north, and longitudes 44° 02' and 63° 19' east. The land's average height is over 1200 meters above seas level. The lowest place, located in Chaleh-ye-Loot, is only 56 meters high, while the highest point, Damavand peak in Alborz Mountains, rises as high as 5610 meters. The land height at the southern coastal strip of the Caspian Sea is 28 meters lower than the open seas.

Iran is bounded by Turkmenistan, Caspian Sea, Republic of Azerbaijan, and Armenia on the north, Afghanistan and Pakistan on the east, Oman Sea and Persian Gulf on the south, and Iraq and Turkey on the west

Administratively, the country is divided into Ostans, Ostans into Shahrestans, and Shahrestans into some Shahrs and Dehestans.

Highlands of Iran can be divided into four mountain ranges: northern, western, southern and central and eastern ranges. The northern mountain ranges have extended from Ararat Mountain in Turkey to Hindu Kush Mountain in Afghanistan, including Alamdar, Sahand, Sabalan, Talesh, Qafan Kuh mountains in Azarbayejan, Albourz mountain ranges at the north of Tehran and south of Mazandaran and Gilan Ostans, Ala Dagh,

Binalud, Hezar Masjed and Qarah Dagh in Khorasan Ostan on the east of Iran and joins Hindu Kush mountains in Afghanistan.

The mountain ranges in the west, which have extended from Ararat mountain to the north west and the south east of the country, cover Sari Dash, Chehel Cheshmeh, Panjeh Ali, Alvand, Bakhtiyari mountains, Pish Kuh, Posht Kuh, Oshtoran Kuh and Zard Kuh which totally form Zagros ranges. The highest peak of this range is “Dena” with a 4409 m height.

Southern mountain range stretches from Khuzestan Ostan to Sistan & Baluchestan Ostan and joins Soleyman mountains in Pakistan. The mountain range includes Sepidar, Meymand, Bashagard and Bam Posht mountains.

Central and eastern mountains mainly comprise Karkas, Shir Kuh, Kuh Banan, Jebal Barez, Hezar, Bazman and Taftan mountains, the highest of which is Hezar mountain with a 4465 m height. The largest Iranian islands that are mainly located at Persian Gulf and Hormuz Strait, are Qeshm, Kish, Lavan, Larak Shahri, Hormuz, Hengam Jadid (new Hengam), Kabudan, Ashk (Orumiyeh Lake), Faroor Bozorg (Greater Faroor), Hendurabi, Khark, Minou, Siri, Khan, Abu Mosa, Espir (Orumiyeh Lake), Tonb Bozorg (Greater Tonb), Morghi, Kharku, Arezoo (Orumiyeh Lake), Faroor Kuchak (Small/Lesser Faroor) and Tonb Kuchak (Small/Lesser Tonb).

The Caspian Sea (the world's largest lake) lies on the north of Iran and connects Iran to European countries through Russian waterways. The water of the most of the Iranian lakes is salty. The major internal lakes are: Orumiyeh, Namak, Hamoun Jazmourian, Hamoun-e-Saberi,

Bakhtegan, Toshak, Hamoun-e-Pouzak, Maharlu, Hamoun-e-Hirmand, Talab-e-Anzali (Anzali lagoon), Howz-e-Sultan, Parishan and Zarivar of Marivan.

2. Climate

Due to its vast area, abundant mountains, desert lands and being adjacent to two large seas at the north and south as well as its closeness to Europe, Mediterranean Sea, African large Sahara desert, Indian Ocean, Asian internal highlands and large cold areas, Iran enjoys a very diverse climate. The effect of distance from the sea, namely closeness and remoteness from the sea, can be easily perceived by comparing the large amount of rainfall and rich vegetation and highly populated areas around the Caspian Sea with the uninhabited arid deserts in the centre of Iran. The continuation of the mountain ranges, their location opposite or parallel to the winds direction and air flows are among the factors, which always affect climate change. There is a significant difference among the slopes facing or backing onto humid winds in terms of rainfall amount and vegetation.

The country generally features three climatic zones:

1. Arid and semi-arid climate : Vast regions of the interior and far south of Iran enjoy this climate which are characterized by long, warm and dry periods, some years lasting over 7 months. The annual precipitation in such regions varies between 30 to 250 mm.

2. Mountainous climate: which are sub-divided into cold and moderate mountainous climate.

2.1. Cold mountainous climate: about 40000 sq km of the total country consists of major highlands, including Alborz and Zagross

mountain ranges, as well as Sahand and Sabalan high peaks. The annual precipitation in these regions exceeds 500 mm.

2.2. Moderate mountainous climate: some 300000 sq km of the country enjoys moderate mountainous climate, where the annual precipitation varies from 250 to 600 mm.

3. Caspian climate: which is a narrow strip with a limited extension, trapped between the Caspian Sea and Alborz mountains range with as much as 600 to 2000 mm precipitation per annum.

Measurement of climatic characteristics, which dates back to the year 1320, is currently performed by the National Meteorological Organization at its numerous synoptic stations scattered around the country. The data in this chapter, however, are only from those located in Ostan (provincial) centres. They include temperature, precipitation, and relative humidity, the number of frosty days, hours of bright sunshine and speed of wind.

Notes:

1. Some capitals of Ostans have several synoptic stations and the data appeared here are from those located at the airports of Ostan's capitals.

2. Central basins, Hamun and Sarakhs, were renamed Central Plateau, Eastern Border, and Qareh Qum basins, respectively in the year 1383. The Statistics in this Chapter have been gathered from the Armed Forces Geographical Organization, Ministry of the Interior, I.R. of Iran Meteorological Organization and Iran Water Resource Management Company. It is necessary to mention that the provided statistics were produced by register-based method.

Definitions and concepts

Shahrestan (subprovince): an administrative division with a certain geographical boundary, formed from joining of a few neighboring Bakhshes(county) which enjoy homogeneous natural, social, economic, political and cultural conditions.

Bakhsh (county): an administrative division with a specific geographical boundary, including a number of neighboring Dehestans and their adjacent fields, places, Roostas (hamlets), and possibly Shahrs (cities), which are similar in natural, social, cultural, economic and political aspects.

Shahr (city/town):an area with a legal boundary, located within the geographical boundary of a certain Bakhsh and in terms of constructional context, employment and other factors, having the distinctive features of a city.

Dehestan (rural agglomeration): the smallest unit among administrative divisions with a specific geographical boundary, comprised of a number of neighboring Roostas and their adjacent places and fields, homogeneous in environment, economic and social conditions that allow for providing public services and planning within a single system and network.

Synoptic stations (simultaneous meteorological reporting stations): These are stations at which, various climatic features including dry and humid temperatures, amount and type of cloud, amount of precipitation, type of climatic phenomenon, direction and speed of wind, amount of evaporation, air pressure, hours of bright sunshine, changes in pressure, amount of solar radiation, etc. are according to certain instructions at certain hours measured and communicated to meteorological centers across the globe by

devices like SSB, telephone or telex after being registered.

Absolute minimum: the lowest temperature during a certain period (24 hours, one month, one year, or a few years).

Absolute maximum: the highest temperature during a certain period (24 hours, one month, one year, or a few years).

Relative humidity: the amount of humid air in a volume unit of air.

Average height of precipitation: is the weighted mean of an area. By dividing the area into several polygons and considering the precipitation in each polygon, the average height of precipitation is calculated.

Water basin: is a geographical area in which overland flows from, and drains downhill into a body of water, such as ocean, sea, or flat. If the concentration point is located inside the basin, the basin is a closed one (e.g. Orumiyeh Lake), but if the point is located at the end of the basin, so that the flow can leave there, then there is an open basin. Every given point in a river is considered the concentration point for the basin just above it.

Aquatic year: from the first day of Mehr to the end of Shahrivar of the next year.

Coefficient of overland flow: the ratio of the volume of water flowed in a given hydrometric station to the volume of the precipitation of the basin stretching to the station.

Hydrometric stations: stations in which parameters of debit (discharge), sediment, temperature, physical properties of water and features of ice cover and chemical properties of rivers, lake and dams reservoir are observed and measured.

Volume of overland flow: To estimate the volume of overland flow of each of the country's main

basins, a total of 42 rivers have been selected to indicate and represent the overland flow whose annual total volume exceeds 60 percent of the country's grand total. To reach the volume of any individual flow, a proper coefficient is applied to the total volume.

Selected information

The total length of the Iran's borderlines is 8640 kilometers out of which the longest borderline is for that of south waters with 2106 kilometers and the shortest one goes to Iran-Armenia which equals 45 kilometers.

In the year 1396, Sistan & Baluchestan, Kerman, South Khorasan, Fars, Khorasan-e-Razavi and Esfahan were among the largest Ostans in the country, respectively, and each of them has an area of more than 100000 Km². Tehran Ostan with an area of about 13600 Km² ranks the 29th among the nation's Ostans.

In the year 1396, Iran was divided into 31 Ostans (provinces), 429 Shahrestans (sub-provinces), 1058 Bakhshes (counties), 1287 Shahrs (cities) and 2589 Dehestans (rural agglomerations).

In the year 1396 average maximum and minimum temperatures in Ostans' centers belong to Ahvaz with 27.9°C and Ardebil with 11.8°C, respectively. Furthermore, the absolute maximum belongs to Ahvaz with 53.7°C and the absolute minimum goes to Ardebil with -23°C. Also in the said year, the highest annual precipitation of the country belongs to Rasht and Ilam, which amounted to 863.7 and 559 mm, respectively, and Yazd and Zahedan with 23.7 and 30.1 mm respectively had the lowest annual precipitation amongst all Ostans' capitals. In the year 1396, the maximum frosty days belong to Shahr-e-Kord with 133 days, Hamedan with 97 days, and

Orumiyeh with 88 days; and Bandar Abbas, Bushehr, and Ahvaz have not experienced any frosty day.

The volume of precipitation in national main basins during the aquatic year of 1395-96 was approximately 378.390 bln m³ out of which the share of each basin is as follows: the Caspian Sea, 60.290 bln m³, the Persian Gulf and Oman Sea, 156.600 bln m³, the Lake of Orumiyeh:14.360 bln m³, Central Plateau, 132.730 bln m³, Eastern Border, 6.440 bln m³& Qareh Qum, 7.970 bln m³. It is also noteworthy that the ratio of the area of main water basins to the total country area is as follows: the Caspian Sea 11.00%, the Persian Gulf and Oman Sea:26.00%, Lake of Orumiyeh 3.00%, Central Plateau:51.00%, Eastern Border 6.00 % and Qareh Qum:3.00%.

1.1. LENGTH OF IRANIAN BORDERLINES, THE YEAR 1396**(km)**

Description	Borderline length
Total	8640.0
Iran-Iraq borderline	1608.0
Iran- Turkey borderline	566.1
Iran- Turkmenistan borderline	1190.0
Iran- Azerbaijan borderline	756.8
Iran- Armenia border.....	45.0
Northern coastline	524.0
Iran- Afghanistan borderline	919.1
Iran- Pakistan borderline	924.8
Southern coastline	2106.0

Source: Armed Forces Geographical Organization

1.2. LONGITUDE AND LATITUDE OF OSTANS, THE YEAR 1396

Ostan	Longitude				Latitude			
	Lower limit		Upper limit		Lower limit		Upper limit	
	Minute	Degree	Minute	Degree	Minute	Degree	Minute	Degree
Total country.....	2	44	19	63	4	25	46	39
East Azarbayejan.....	5	45	21	48	45	36	26	39
West Azarbayejan.....	2	44	24	47	58	35	46	39
Ardebil.....	18	47	55	48	6	37	42	39
Esfahan.....	38	49	30	55	42	30	30	34
Alborz.....	10	50	28	51	33	35	21	36
Ilam.....	41	45	3	48	3	32	2	34
Bushehr.....	6	50	56	52	18	27	17	30
Tehran.....	21	50	9	53	52	34	8	36
Chaharmahal & Bakhtiari...	30	49	26	51	9	31	49	32
South Khorasan	23	55	56	60	31	30	6	35
Khorasan-e-Razavi	14	56	16	61	51	33	42	37
North Khorasan	54	55	25	58	35	36	17	38
Khuzestan	40	47	33	50	53	29	0	33
Zanjan.....	10	47	26	49	33	35	15	37
Semnan	50	51	3	57	14	34	20	37
Sistan & Baluchestan.....	50	58	19	63	4	25	29	31
Fars	36	50	35	55	3	27	40	31
Qazvin	44	48	51	50	24	35	49	36
Qom.....	5	50	58	51	9	34	11	35
Kordestan.....	33	45	15	48	44	34	28	36
Kerman	20	54	34	59	29	26	58	31
Kermanshah.....	24	45	6	48	41	33	17	35
Kohgiluyeh & Boyerahmad..	53	49	53	51	56	29	29	31
Golestan.....	51	53	19	56	30	36	7	38
Gilan	34	48	36	50	34	36	27	38
Lorestan	50	46	1	50	39	32	23	34
Mazandaran	21	50	8	54	46	35	58	36
Markazi.....	57	48	3	51	23	33	34	35
Hormozgan	44	52	14	59	25	25	53	28
Hamedan.....	48	47	28	49	0	34	44	35
Yazd.....	48	52	39	56	36	29	22	33

Source: Armed Forces Geographical Organization.

1.3. NUMBER OF SHAHRESTANS, BAKHSHES, SHAHRS AND DEHESTANS ACCORDING TO THE ADMINISTRATIVE DIVISIONS

Year	Number of Shahrestans	Number of Bakhshes	Number of Shahrs	Number of Dehestans
1380.....	299	794	889	2305
1385.....	336	889	1015	2400
1390.....	400	994	1166	2507
1392.....	428	1058	1242	2589
1393.....	428	1058	1243	2589
1394.....	430	1059	1243	2590
1395 ⁽¹⁾	429	1058	1246	2589
1396.....	429	1058	1287	2589

1. Decreases in the number of Shahrestans, Bakhshes, and Dehestans is due to Bastam in Semnan Ostan crossed out from the list of Shahrestans.

Source: Ministry of the Interior

1.4. GENERAL CHARACTERISTICS OF OSTANS ACCORDING TO THE ADMINISTRATIVE DIVISIONS AT THE END OF THE YEAR 1396

Ostan	Capital of Ostan	Area ⁽¹⁾ (sq km)	Number of Shahrestans	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Total country	××	1628777	429	1058	1287	2589
East Azarbayejan.....	Tabriz	45637	20	44	62	142
West Azarbayejan	Orumiyeh	37411	17	40	45	113
Ardebil.....	Ardebil	17813	10	29	29	71
Esfahan.....	Esfahan	107017	24	51	107	129
Alborz.....	Karaj	5173	6	13	17	29
Ilam	Ilam	20132	10	26	26	49
Bushehr	Bushehr	22764	10	25	38	48
Tehran	Tehran	13640	16	33	44	71
Chaharmahal & Bakhtiari.....	Shahr-e-Kord	16336	9	25	42	50
South Khorasan	Birjand	150797	11	25	30	61
Khorasan-e-Razavi	Mashhad	118851	28	70	77	164
North Khorasan	Bojnurd	28434	8	19	22	45
Khuzestan	Ahvaz	64019	27	67	77	142
Zanjan.....	Zanjan	21773	8	17	21	48
Semnan	Semnan	97490	8	15	20	31
Sistan & Baluchestan	Zahedan	181785	19	48	42	112
Fars.....	Shiraz	122604	29	84	106	205
Qazvin	Qazvin	15567	6	19	25	46
Qom.....	Qom	11526	1	5	6	9
Kordestan	Sanandaj	29136	10	31	30	86
Kerman	Kerman	180725	23	58	72	151
Kermanshah.....	Kermanshah	25009	14	31	34	86
Kohgiluyeh & Boyerahmad	Yasuj	15519	8	19	17	45
Golestan.....	Gorgan	20367	14	27	33	60
Gilan.....	Rasht	14041	16	43	52	109
Lorestan.....	Khorramabad	28293	11	31	27	87
Mazandaran.....	Sari	23841	22	56	60	131
Markazi	Arak	29126	12	23	33	66
Hormozgan	BandarAbbas	70712	13	38	42	85
Hamedan	Hamedan	19367	9	25	31	73
Yazd	Yazd	73872	10	21	20	45

1. Only land area.

Source: Ministry of the Interior.

1.1. NATIONAL ADMINISTRATIVE DIVISIONS, THE YEAR 1396



For Data See Table 1.4

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT END OF THE YEAR 1396

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Total country	1058	1287	2589
East Azarbayejan	44	62	142
Azarshahr	3	4	7
Osku	2	3	5
Ahar	2	2	9
Bostanabad	2	2	9
Bonab	1	1	3
Tabriz	2	4	6
Jolfa	2	3	5
Charoimaq	2	1	6
Khoda Afarien	3	1	7
Sarab	2	4	9
Shabestar	3	9	8
Ajabshir	2	2	4
Kaleibar	2	2	7
Maragheh	2	2	6
Marand	2	5	9
Malekan	2	3	5
Miyaneh	4	5	17
Varzaqan	2	2	7
Haris	2	5	6
Hashtrud	2	2	7
West Azarbayejan	40	45	113
Orumiyeh	5	5	20
Oshnaviyeh	2	2	4
Bukan	2	2	7
Poldasht	2	2	4
Piranshahr	2	2	5
Takab	2	1	6
Chaldoran	2	2	5
Chaypareh	2	2	4
Khoy	4	6	11
Sardasht	2	3	6
Salmas	2	2	7
Shahindezh	2	3	5
Shout	2	3	4
Maku	2	2	5
Mahabad	2	3	5
Miandoab	3	3	11
Naqadeh	2	2	4

1.5. BAKHSHEH, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1396 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
<i>Ardebil</i>	29	29	71
Ardebil	3	3	10
Bilehsavar	2	2	4
Parsabad	4	4	8
Khalkhal	3	3	8
Sareyn	2	2	4
Kowsar	2	1	4
Garmi	3	3	9
Meshkinshahr	5	6	12
Namin	3	3	7
Nayer	2	2	5
<i>Esfahan</i>	51	107	129
Aran & Bidgol.....	2	4	3
Ardestan	2	3	7
Esfahan	6	14	19
Borkhar	2	7	4
Buin and Miyandasht	2	2	5
Tiran & Karvan	2	3	4
Chadegan	2	2	4
Khomeinishahr	1	4	3
Khansar	1	1	3
Khour& Biyabanak	1	3	3
Dehaghan	1	2	3
Semirom	4	4	8
Shahin Shahr& Meymeh	2	6	4
Shahreza	1	2	4
Feridan	2	2	5
Fereydunshahr	1	2	5
Falavarjan.....	3	8	6
Kashan.....	4	7	9
Golpayegan	1	3	3
Lenjan	3	9	7
Mobarakeh	2	6	5
Naeen	2	3	5
Najafabad	2	6	5
Natanz	2	4	5
<i>Alborz</i>	13	17	29
Eshtehard.....	2	1	4
Savojbalagh.....	3	5	6
Taleghan.....	2	1	4
Fardis.....	2	2	4
Karaj.....	2	6	6
Nazarabad.....	2	2	5

1.5. BAKHSHEH, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1396 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
<i>Ilam</i>	26	26	49
Abdanan	3	3	6
Ilam	3	2	6
Ivan	2	2	4
Badreh	2	2	4
Chardavel	4	5	7
Darrehshahr	2	2	4
Dehloran	4	4	8
Sirvan	2	1	4
Malekshahi	2	3	4
Mehran	2	2	2
<i>Bushehr</i>	25	38	48
Bushehr	2	4	2
Tangestan	2	3	4
Jam	2	3	5
Dashtestan	6	9	12
Dashti	3	4	7
Dayyer	3	5	6
Deylam	2	2	4
Asalouye	2	3	4
Kangan	1	3	2
Genaveh	2	2	2
<i>Tehran</i>	33	44	71
Eslamshahr	3	2	6
Baharestan	2	3	4
Pakdasht	2	3	6
Pardis	2	2	4
Pishva	2	1	4
Tehran	3	1	4
Damavand	2	5	5
Robatkarim	1	3	3
Rey	5	5	9
Shemiranat	2	4	3
Shahriar	1	7	6
Firuzkuh	2	2	5
Qods	1	1	2
Qarchak	1	1	2
Malard	2	2	4
Varamin	2	2	4
<i>Chaharmahal & Bakhtiari</i>	25	42	50
Ardal	2	4	4
Borujen	3	6	5
Bon	2	3	4
Saman	2	2	4
Shahr-e-Kord	3	9	6
Farsan	3	6	5
Kuhrang	3	3	7
Keyar	2	4	4
Lordegan	5	5	11

1.5. BAKHSHEH, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1396 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
<i>South Khorasan</i>	25	30	61
Boshroye	2	2	4
Birjand.....	1	1	6
Khosaf	2	2	5
Darmiyan	3	4	6
Zeerkooch	3	3	6
Sarayan	2	3	4
Sarbisheh.....	3	3	6
Tabas	3	3	8
Ferdows	1	2	3
Qayenat	3	5	8
Nahbandan	2	2	5
<i>Khorasan-e-Razavi</i>	70	77	164
Bakharz	2	1	4
Bajestan.....	2	2	4
Bardeskan	3	3	6
Binalood.....	2	2	4
Taybad	2	3	4
Torbat-e-Jam	5	6	13
Torbat-e-Heydariyeh	4	4	8
Joghatay	2	2	4
Jovin.....	2	2	4
Chenaran	2	3	5
Khalil Abad	2	2	4
Khaf	4	5	8
Khooshab	2	2	5
Davarzan	2	1	4
Dargaz	4	4	7
Rashtkhar	2	2	4
Zaveh.....	2	1	4
Sabzevar	3	3	11
Serakhs	2	2	6
Fariman	2	4	5
Firooze	2	2	4
Quchan	2	2	5
Kashmar	2	2	5
Kalat	2	2	4
Gonabad	2	3	4
Mashhad	3	3	11
Mah-Velat	2	2	4
Neyshabur	4	7	13
<i>North Khorasan</i>	19	22	45
Esfarayen	2	2	7
Bojnurd	2	3	5
Jajarm	3	3	5
Raz & Jargalan.....	3	1	6
Shirvan	3	4	9
Faruj	2	2	5

1.5. BAKHSHEH, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1396 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Garmeh.....	1	3	2
Maneh and Samalqan.....	3	4	6
Khuzestan	67	77	142
Abadan.....	2	3	6
Aghajaree.....	2	1	2
Omidiyeh.....	2	2	3
Endika.....	3	2	6
Andimeshk.....	2	5	4
Ahvaz.....	3	2	6
Izeh.....	3	2	10
Baghmalek	3	4	8
Bavi.....	2	3	4
Bandar-e-Mahshahr.....	2	3	1
Behbahan.....	3	4	6
Hamidiyeh.....	2	1	4
Khorramshahr.....	2	3	4
Dezful.....	4	9	11
Dasht-e-Azadegan.....	2	4	5
Ramshir.....	2	2	4
Ramhormoz.....	4	1	8
Shadegan.....	3	3	8
Shush.....	3	5	7
Shushtar.....	3	4	6
Karoun.....	2	1	4
Gotvand.....	2	5	4
Lali.....	2	1	4
Masjed Soleyman.....	3	2	6
Haftgol.....	2	1	3
Hendiyan.....	2	2	4
Hovayzeh.....	2	2	4
Zanjan	17	21	48
Abhar.....	1	3	5
Ijerud.....	2	2	4
Khodabandeh.....	4	7	10
Khorramdarreh.....	1	1	2
Zanjan.....	3	3	13
Soltaniyeh.....	2	1	4
Tarom.....	2	2	5
Mahnesan.....	2	2	5
Semnan.....	15	20	31
Aradan.....	2	2	4
Damghan.....	2	4	6
Sorkhe.....	1	1	2
Semnan.....	1	1	1
Shahrud.....	3	6	7
Garmsar.....	2	2	3
Mehdishahr.....	2	3	3
Mayamee.....	2	1	5
Sistan & Baluchestan.....	48	42	112
Iranshahr.....	3	4	7

1.5. BAKHSHEH, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1396 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Chabahar	3	3	6
Khash	3	2	11
Delgan	2	1	5
Zabol	1	2	1
Zahedan	3	3	6
Zahak	2	1	4
Saravan	3	5	8
Sarbaz	4	4	11
Sibsavarani	2	2	4
Fonuch	2	1	4
Qaser-e Qand	3	2	6
Konarak	2	2	4
Mehrestan	2	2	4
Mirjave	3	1	7
Neekshahr	4	3	11
Neemrooz	2	1	4
Hamoon	2	2	4
Hirmand	2	1	5
Fars	84	106	205
Abadeh	1	5	4
Arsanjan	1	1	3
Estahban	2	3	3
Eqlid	3	4	9
Bavanat	3	4	7
Pasargad	2	2	4
Jahrom	4	5	12
Kharameh	2	2	5
Khorrambid	2	2	3
Khonj	2	1	4
Darab	4	5	12
Rostam	2	2	4
Zarrindasht	2	3	5
Sepidan	3	3	8
Sarvestan	2	2	4
Shiraz	3	6	12
Farashband	2	3	4
Fasa	4	6	8
Firuzabad	2	2	5
Qirokarzin	2	5	5
Kazerun	6	6	14
Kavar	2	2	4
Gerash	2	2	4
Larestan	6	8	13
Lamerd	4	5	8
Marvdasht	5	5	15
Mamasani	3	3	9
Mohr	4	5	8
Neyriz	4	4	9

1.5. BAKHSHEH, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1396 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
<i>Qazvin</i>	19	25	46
Abyek.....	2	2	5
Avaj.....	2	2	5
Alborz.....	2	4	4
Boyinzahra.....	4	5	9
Takestan.....	4	5	9
Qazvin.....	5	7	14
<i>Qom</i>	5	6	9
Qom.....	5	6	9
<i>Kordestan</i>	31	30	86
Baneh.....	4	4	8
Bijar.....	3	5	11
Dehgalan.....	2	2	5
Divandarreh.....	3	2	8
Sarvabad.....	2	2	8
Saqquez.....	4	2	11
Sanandaj.....	4	3	12
Qorveh.....	4	4	10
Kamyaran.....	2	2	7
Marivan.....	3	4	6
<i>Kerman</i>	58	72	151
Arzooeyeh.....	2	1	5
Anar.....	1	2	2
Baft.....	2	2	6
Bardsir.....	4	5	8
Bam.....	2	2	4
Jiroft.....	4	4	14
Rabar.....	2	2	4
Ravar.....	2	2	3
Rafsanjan.....	4	5	14
Rudbar-e-Jonub.....	2	2	4
Reegan.....	2	2	4
Zarand.....	2	4	11
Sirjan.....	5	7	10
Shahr-e-Babak.....	2	5	9
Anbarabad.....	2	3	7
Fahraj.....	2	1	4
Ghaleh-Ganj.....	2	2	5
Kerman.....	6	13	16
Kohbonan.....	2	2	3
Kahnuj.....	2	1	5
Manujan.....	2	2	5
Narmashir.....	2	2	4

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1396 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
<i>Kermanshah</i>	31	34	86
Eslamabad-E-Gharb	2	2	7
Paveh	3	5	5
Salas-e-Babajani	2	2	4
Javanrud	2	2	4
Dalahu	2	3	5
Ravansar	2	2	6
Sar-e-pol-e-Zahab	2	1	8
Sonqor	2	2	8
Sahneh	2	2	7
Qasr-e-Shirin	2	2	4
Kermanshah	5	5	13
Kangavar	1	2	5
Gilan-e-Gharb	2	2	6
Harsin	2	2	4
<i>Kohgiluyeh & Boyerahmad</i>	19	17	45
Basht	2	1	4
Bahmaee	2	1	4
Boyerahmad	4	5	11
Cheram	2	2	4
Dena	2	2	4
Kohgiluyeh	4	4	10
Gachsaran	1	1	4
Lande	2	1	4
<i>Golestan</i>	27	33	60
Azadshahr	2	3	4
Aq Qala	2	2	5
Bandar Gaz	2	2	4
Torkaman	2	1	4
Ramyān	2	4	4
Aliabad	2	4	4
Kordkuy	1	1	3
Kalaleh	2	2	5
Galikesh	2	2	4
Gorgan	2	4	5
Gomishan	2	2	4
Gonbad-e-Kavus	2	2	6
Marave-Tapeh	2	2	4
Minudasht	2	2	4

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1396 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
<i>Gilan</i>	43	52	109
Astara	2	2	4
Astane-ye-Ashrafiyeh	2	2	6
Amlash	2	2	5
Bandar Anzali	1	1	2
Rasht	6	7	18
Rezvanshahr	2	2	4
Rudbar	4	7	10
Rudsar	4	5	10
Siahkal	2	2	5
Shaft	2	2	4
Sumaehsara	3	3	7
Tavalesh	4	5	10
Fuman	2	3	6
Lahijan	2	2	7
Langrud	3	5	7
Masal	2	2	4
<i>Lorestan</i>	31	27	87
Azna	2	2	4
Aligudarz	5	4	12
Borujerd	2	2	7
Poldokhtar	2	2	7
Khorrarnabad	4	4	17
Delfan	3	2	10
Dorud	2	2	5
Doreh	3	2	6
Rumeshkan	2	1	4
Selseleh	2	2	6
Kuhdasht	4	4	9
<i>Mazandaran</i>	56	60	131
Amol	5	6	11
Babol	6	7	13
Babolsar	3	3	6
Behshahr	2	3	5
Tonkabon	3	4	7
Juybar	2	2	4
Chalus	2	3	4
Ramsar	1	2	4
Sari	6	5	15
Savadkuh	2	3	4
Savadkuh-e Shomali	2	1	4
Seemorgh	2	1	4
Abbasabad	3	3	5
Ferydonkenar	2	1	4
Qaemshahr	1	2	5
Kelardasht	1	1	2
Galugah	2	1	4
Mahmoudabad	2	2	5
Miandorood	2	1	5
Neka	2	1	5
Nur	3	5	9
Noshahr	2	3	6

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1396 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Markazi	23	33	66
Ashtian	1	1	3
Arak	3	4	11
Tafresh	1	1	4
Khomein	2	2	7
Khondab	2	2	5
Delijan	1	2	4
Zarandiyeh.....	2	5	6
Saveh	2	4	7
Shazand	4	6	9
Farahan.....	2	2	4
Komeijan	2	2	4
Mahallat	1	2	2
Hormozgan	38	42	85
Abumusa	2	1	2
Bastak	3	3	7
Bashagerd.....	3	2	6
Bandar Abbas	4	5	11
Bandar Lengeh	4	5	8
Parsiyan	2	3	4
Jask	2	2	5
Hajiabad	3	3	6
Khamir	2	2	4
Rudan	4	4	10
Sireek.....	2	3	4
Qeshm	3	4	7
Minab	4	5	11
Hamedan	25	31	73
Asadabad	2	2	6
Bahar	3	4	6
Tuysarkan	2	3	7
Razan	3	4	7
Famenin.....	2	1	4
Kabudarahang	3	3	10
Malayer	4	6	15
Nahavand	4	4	9
Hamedan	2	4	9
Yazd	21	20	45
Abarkuh	2	2	4
Ardakan	3	3	5
Ashkzar	2	2	2
Bafgh	1	1	3
Behabad.....	2	1	3
Taft	3	2	10
Khatam	2	2	4
Mehriz	1	1	5
Meybod	3	3	5
Yazd	2	3	4

Source: Ministry of the Interior.

1.6. METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS FROM THE YEAR OF ESTABLISHMENT TO THE END OF THE YEAR 1395

Capital of Ostan	Year of the establishment	Station characteristics						
		Geographic longitude and latitude						Height from the sea level (m)
		East longitude			North latitude			
		Second	Minute	Degree	Second	Minute	Degree	
Arak	1328	0	47	49	19	4	34	1702.8
Ardebil	1355	43	19	48	5	13	38	1335.2
Orumiyeh	1330	19	3	45	31	39	37	1328.0
Esfahan	1330	22	42	51	3	31	32	1550.0
Ahvaz	1330	39	44	48	41	20	31	22.5
Ilam	1361	52	23	46	16	35	33	1337.0
Bojnurd	1355	12	18	57	14	29	37	1112.0
Bandar Abbas	1335	22	22	56	53	12	27	9.8
Bushehr	1330	16	49	50	14	54	28	6.0
Birjand	1334	1	17	59	26	53	32	1491.0
Tabriz	1327	33	14	46	20	7	38	1345.0
Tehran	1321	34	18	51	36	41	35	1191.0
Khorramabad	1328	1	17	48	20	26	33	1147.8
Rasht	1334	27	37	49	21	19	37	24.8
Zahedan	1330	1	54	60	20	28	29	1370.0
Zanjan	1335	18	31	48	37	39	36	1659.4
Sari	1378	12	59	52	12	32	36	23.0
Semnan	1342	17	25	53	18	35	35	1127.0
Sanandaj	1338	53	0	47	16	15	35	1373.4
Shahr-e-Kord	1334	22	50	50	14	54	28	2050.0
Shiraz	1336	9	36	52	41	33	29	1488.0
Qazvin	1334	41	3	50	42	15	36	1279.1
Qom	1364	19	51	53	29	46	34	879.1
Karaj.....	1352	14	57	50	25	48	35	1292.9
Kerman	1328	45	57	56	22	15	30	1754.0
Kermanshah	1321	12	9	47	8	21	34	1318.5
Gorgan	1331	49	24	54	18	54	36	0.0
Mashhad	1328	52	37	59	11	14	36	999.0
Hamedan	1354	5	32	48	10	52	34	1740.8
Yasuj	1365	18	33	51	55	41	30	1816.3
Yazd	1331	23	31	48	37	39	36	1230.2

**1.6. METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS
FROM THE YEAR OF ESTABLISHMENT TO THE END OF THE YEAR 1395 (continued)**

Capital of Ostan	Air temperture (°C)					Average annual precipitation (mm)	Max. daily precipitation (mm)
	Average max	Average min	Mean	Absolut min	Abolute max		
Arak	20.9	7.1	14.0	-30.5	44.0	295.0	48.5
Ardebil	15.6	3.2	9.4	-33.8	40.4	276.4	55.2
Orumiyeh	17.9	5.4	11.7	-22.8	39.9	303.3	111.1
Esfahan	23.6	9.3	16.4	-19.4	43.0	132.2	42.8
Ahvaz	33.1	18.0	25.6	-7.0	54.0	206.6	109.5
Ilam	22.9	11.1	17.0	-13.6	44.4	544.2	188.4
Bojnurd	20.0	7.0	13.5	-25.0	42.3	246.8	37.4
Bandar Abbas	32.2	21.9	27.1	2.0	51.0	163.8	110.5
Bushehr	28.6	21.7	25.1	3.0	47.0	257.0	110.9
Birjand	24.7	8.5	16.6	-21.5	44.0	143.1	41.4
Tabriz	18.3	7.0	12.7	-25.0	42.0	245.7	46.4
Tehran	22.8	12.2	17.5	-15.0	43.0	226.7	49.2
Khorramabad	25.3	9.1	17.2	-14.6	47.0	465.4	98.0
Rasht	20.7	11.6	16.1	-19.0	40.0	1308.2	170.4
Zahedan	26.9	10.3	18.6	-22.0	43.0	74.6	53.8
Zanjan	18.3	4.2	11.3	-30.0	43.0	285.2	44.7
Sari	22.6	13.5	18.0	-6.0	42.6	749.9	85.7
Semnan	23.9	12.6	18.3	-12.6	44.0	134.8	99.9
Sanandaj	21.7	5.7	13.7	-31.0	44.0	372.3	67.4
Shahr-e-Kord	20.3	3.1	11.7	-32.4	42.0	319.2	66.5
Shiraz	25.8	9.9	17.9	-14.0	43.2	315.3	71.3
Qazvin	21.4	7.0	14.2	-24.0	43.0	327.5	99.0
Qom	26.0	10.9	18.4	-23.0	47.0	137.0	37.7
Karaj.....	21.5	9.0	15.2	-17.0	42.0	251.9	99.0
Kerman	24.9	7.1	16.0	-30.0	42.0	124.9	42.9
Kermanshah	22.9	6.2	14.6	-27.0	44.1	398.0	73.0
Gorgan	22.9	12.7	17.8	-11.8	46.2	513.0	103.1
Mashhad	21.4	7.6	14.5	-28.0	43.8	231.4	42.9
Hamedan	19.6	3.6	11.6	-32.8	40.0	298.8	52.2
Yasuj	22.7	7.8	15.2	-19.0	40.4	761.7	127.2
Yazd	26.7	12.1	19.4	-16.0	45.6	49.4	29.6

**1.6. METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS
FROM THE YEAR OF ESTABLISHMENT TO THE END OF THE YEAR 1395(continued)**

Capital of Ostan	Mean of relative humidity (%)		Average number of frosty days	Average total bright sunshine (hours)	Max. wind speed (mps)
	Max.	Min.			
Arak	62.7	30.5	80	2829.9	35
Ardebil	88.9	52.4	117	2429.1	37
Orumiyeh	78.1	40.9	101	2753.4	40
Esfahan	57.4	22.7	64	3046.3	30
Ahvaz	62.5	26.8	0	2821.3	35
Ilam	54.4	26.1	35	2977.6	25
Bojnurd	79.6	39.0	84	2719.8	45
Bandar Abbas	81.9	46.4	0	2952.2	30
Bushehr	79.8	53.8	0	3022.6	30
Birjand	52.6	21.1	69	3085.5	26
Tabriz	70.4	35.5	91	2684.9	38
Tehran	55.0	26.7	35	2892.4	32
Khorramabad	64.4	28.1	42	2852.0	30
Rasht	95.5	65.8	15	1569.4	31
Zahedan	48.8	18.2	45	3052.5	33
Zanjan	74.6	36.2	108	2776.0	28
Sari	92.0	59.6	7	2005.4	27
Semnan	53.4	28.8	37	2918.2	22
Sanandaj	69.8	28.1	92	2782.5	25
Shahr-e-Kord	66.9	28.2	117	3042.2	32
Shiraz	59.9	23.0	38	3223.4	30
Qazvin	72.8	31.8	79	2866.5	39
Qom	59.9	25.8	46	3053.6	28
Karaj.....	68.7	30.8	59	2885.6	30
Kerman	50.2	18.2	77	3078.7	50
Kermanshah	65.4	28.0	80	2751.1	26
Gorgan	85.8	52.8	13	2032.6	31
Mashhad	72.4	34.9	75	2827.2	25
Hamedan	73.9	33.4	114	2823.6	31
Yasuj	64.5	23.5	60	3191.3	30
Yazd	44.9	18.8	38	3109.6	30

Source: I. R. I. Meteorological Organization.

1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1396

Capital of Ostan	Air temperature (°c)					Annual precipitation (mm)
	Average max	Average min	Mean	Absolut min	Absolut max	
Arak	23.3	8.3	15.8	-14.2	38.8	167.7
Ardebil	18.0	5.5	11.8	-23.0	37.6	231.8
Orumiyeh.....	20.7	6.0	13.4	-12.4	37.6	244.3
Esfahan	25.5	10.8	18.2	-6.4	40.8	90.1
Ahvaz	35.7	20.2	27.9	3.5	53.7	89.9
Ilam	25.5	11.3	18.4	-4.3	41.3	559.0
Bojnurd	22.0	7.7	14.8	-12.0	40.0	121.4
Bandar Abbas	33.5	21.8	27.6	5.4	45.6	83.1
Bushehr	31.5	22.9	27.2	9.0	45.0	233.0
Birjand	26.0	8.5	17.3	-11.8	42.5	67.2
Tabriz	20.9	8.8	14.8	-13.0	39.4	315.1
Tehran	24.2	14.1	19.1	-8.4	41.2	160.1
Khorramabad.....	27.1	10.0	18.6	-4.2	44.2	331.5
Rasht	21.7	13.8	17.7	-3.4	38.6	863.7
Zahedan	28.4	11.2	19.8	-11.4	43.4	30.1
Zanjan	22.1	6.8	14.5	-13.2	39.2	216.2
Sari	23.8	14.3	19.0	-1.8	40.8	539.9
Semnan	25.4	13.7	19.5	-5.4	41.4	67.1
Sanandaj	24.5	7.1	15.8	-10.8	41.4	336.8
Shahr-e-Kord	22.4	2.0	12.2	-15.3	37.4	150.2
Shiraz	27.6	10.4	19.0	-6.0	41.0	171.9
Qazvin	23.3	8.3	15.8	-14.2	40.6	292.4
Qom	28.0	11.0	19.5	-5.3	44.5	93.6
Karaj.....	23.1	10.3	16.7	-11.7	40.3	170.2
Kerman	26.7	7.4	17.1	-12.1	41.0	34.8
Kermanshah.....	24.9	8.1	16.5	-8.2	40.8	341.8
Gorgan.....	24.6	12.7	18.6	-3.6	42.8	424.4
Mashhad	24.0	10.3	17.2	-11.8	42.2	185.9
Hamedan	21.7	5.0	13.3	-17.9	38.3	207.5
Yasuj	24.3	8.1	16.2	-6.6	38.8	356.2
Yazd	28.5	14.5	21.5	-3.6	43.8	23.7

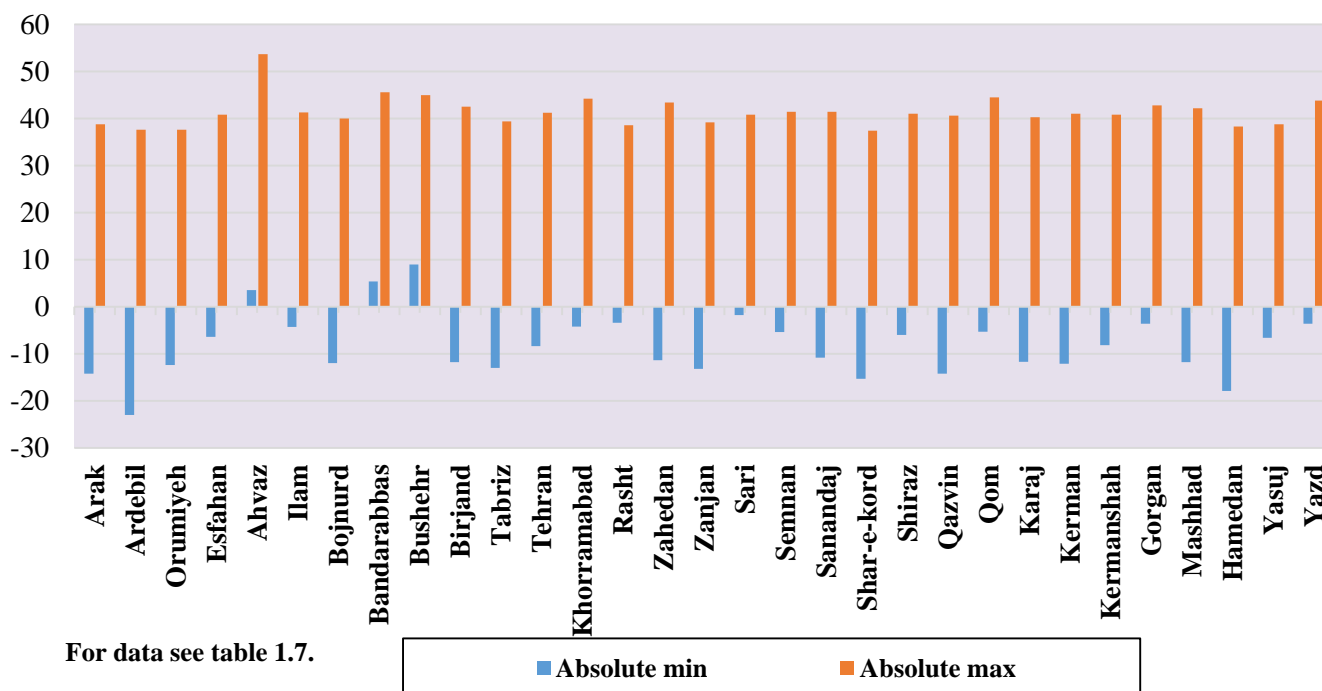
1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1396 (continued)

Capital of Ostan	Max. daily precipitation (mm)	Mean of relative humidity (%)		Number of frosty days	Number of dusty days	Bright sunshine (hours)	Max. wind speed (mps)
		Max.	Min.				
Arak	36.2	59.5	22.9	66	303	3044.6	24
Ardebil	34.3	87.5	46.2	85	22	2748.7	28
Orumiyeh	21.2	73.5	32.5	88	59	3094.4	34
Esfahan	14.8	48.4	15.8	52	133	3510.4	15
Ahvaz	19.1	61.3	23.2	0	305	3191.3	19
Ilam	69.2	51.6	24.5	24	107	3077.3	40
Bojnurd	8.7	76.2	33.6	66	138	3004.9	13
Bandar Abbas	30.4	82.5	43.5	0	306	3363.0	12
Bushehr	74.4	78.3	50.8	0	206	2617.8	26
Birjand	19.6	39.8	12.1	72	47	3574.0	16
Tabriz	31.9	65.9	31.3	72	97	2969.6	22
Tehran	22.7	46.1	20.0	8	153	3187.7	27
Khorramabad.....	28.7	56.1	20.0	36	70	3167.5	19
Rasht	57.5	96.0	64.4	3	75	1790.2	19
Zahedan	10.3	36.4	14.0	52	112	3417.4	17
Zanjan	17.7	66.7	32.4	77	62	3026.1	24
Sari	40.9	92.8	59.0	2	23	2104.8	15
Semnan	17.1	42.0	19.8	18	42	3193.4	14
Sanandaj	36.6	66.2	21.6	70	84	3118.8	20
Shahr-e-Kord	26.0	58.3	17.7	133	59	3347.7	24
Shiraz	51.9	54.0	14.7	39	120	3486.1	17
Qazvin	31.9	73.0	30.5	62	190	2976.5	24
Qom	17.0	54.0	22.5	54	275	3317.8	28
Karaj.....	15.5	64.6	26.4	37	150	3243.0	19
Kerman	6.5	36.9	9.3	78	29	3583.9	26
Kermanshah	34.7	56.1	17.5	64	56	2915.4	50
Gorgan.....	68.1	92.0	55.0	13	84	2428.9	27
Mashhad	27.2	61.2	25.2	53	116	3112.2	16
Hamedan	20.5	63.1	24.5	97	38	3134.7	23
Yasuj	36.6	55.6	15.1	49	52	3359.2	19
Yazd	7.5	33.1	11.8	17	101	3543.0	21

Source: I. R. I., Meteorological Organization.

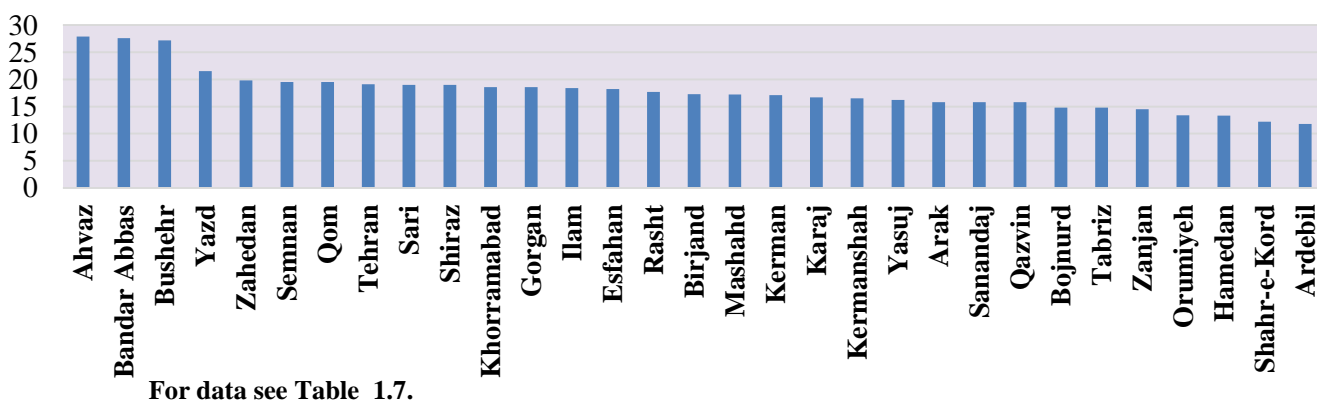
1.2. ABSOLUTE MAXIMUM AND MINIMUM TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1396

Celsius



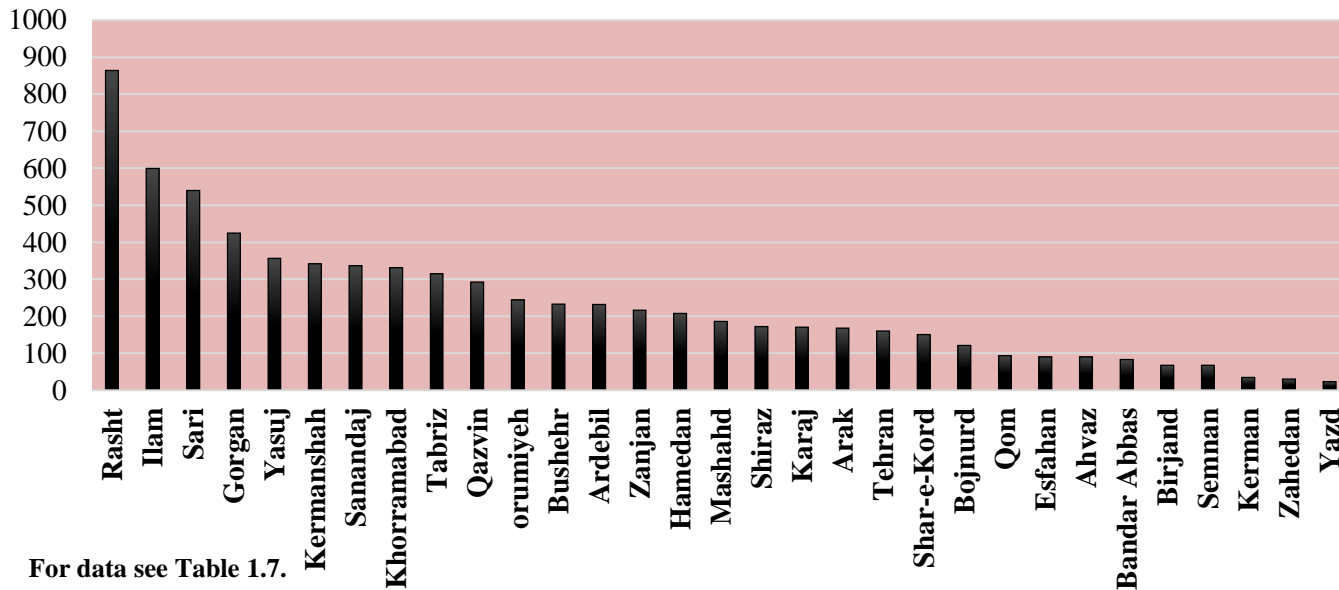
1.3. AVERAGE ANNUAL TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1396

Celsius



1.4. ANNUAL RAINFALL IN THE CAPITALS OF OSTANS, THE YEAR 1396

Millimetre



**1.8. HIGHEST MAXIMUM TEMPRETURE, LOWEST MINIMUM TEMPRETURE AND AVERAGE
MONTHLY TEMPRETURE IN CAPITALS OF OSTANS, THE YEAR 1396** (°c)

Capital of Ostan	Farvardin			Ordibehesht			Khordad		
	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp
Arak	28.0	0.0	11.8	31.2	6.6	18.3	36.6	10.0	24.7
Ardebil	23.8	-4.4	7.6	30.4	-2.6	14.0	34.8	4.4	16.8
Orumiyeh	21.0	-3.2	9.3	30.4	3.2	15.9	33.6	5.8	21.2
Esfahan	31.4	3.8	16.4	34.2	10.0	21.4	40.8	16.2	28.5
Ahvaz	42.2	11.4	24.5	45.3	19.2	32.8	49.9	22.6	37.4
Ilam	28.5	2.0	12.9	32.8	7.0	20.3	37.3	8.5	25.2
Bojnurd	30.4	-0.4	11.3	35.4	2.6	18.4	40.0	10.8	23.6
Bandar Abbas	37.8	17.7	26.1	41.2	20.9	31.6	43.1	24.3	33.4
Bushehr	38.0	16.0	24.3	41.5	19.9	29.6	42.4	24.2	31.4
Birjand	35.1	-0.5	17.7	36.0	6.4	21.9	40.9	10.5	28.8
Tabriz	21.4	-4.0	9.4	30.6	4.0	16.9	33.4	7.8	22.7
Tehran	27.8	2.6	15.1	34.6	8.4	22.7	39.4	17.4	29.0
Khorramabad.....	30.2	2.8	13.9	34.2	5.1	20.1	39.2	7.3	25.6
Rasht	30.8	3.8	12.3	38.6	9.6	18.3	30.6	15.8	23.3
Zahedan	36.2	3.2	21.0	37.9	7.4	24.6	41.7	15.0	30.6
Zanjan	24.5	-2.7	10.1	30.7	0.8	17.1	35.2	5.6	22.2
Sari	29.6	2.6	13.9	34.4	10.4	19.7	36.6	15.4	24.2
Semnan	29.6	3.6	16.4	36.4	13.0	24.4	41.2	18.8	30.3
Sanandaj	26.4	-1.4	11.3	32.4	4.0	17.5	36.6	5.0	22.6
Shahr-e-Kord	25.8	-5.1	10.2	29.1	-4.2	15.1	35.6	-0.7	20.7
Shiraz	32.2	4.6	17.2	35.0	10.0	23.2	40.0	11.2	29.2
Qazvin	25.4	-2.3	11.3	33.4	3.7	17.5	37.7	8.2	23.6
Qom	31.2	2.2	16.2	39.2	10.1	23.8	43.1	14.9	30.2
Karaj.....	25.9	-0.4	12.7	34.2	3.3	19.5	38.0	11.2	25.3
Kerman	34.1	0.5	17.5	35.7	6.8	21.4	41.0	10.9	28.7
Kermanshah	26.2	-0.2	12.1	31.7	4.4	18.5	37.0	5.1	23.7
Gorgan.....	29.9	0.7	13.4	39.9	8.5	19.6	38.9	12.2	25.0
Mashhad	33.0	0.8	13.7	37.1	5.8	20.9	40.3	16.5	27.3
Hamedan	23.2	-3.4	9.7	29.1	2.1	16.1	33.4	4.3	21.3
Yasuj	28.0	0.8	12.9	32.0	5.8	18.0	37.0	9.4	24.3
Yazd	35.6	5.0	20.2	38.0	13.4	25.6	43.8	20.9	32.3

**1.8. HIGHEST MAXIMUM TEMPRETURE, LOWEST MINIMUM TEMPRETURE AND AVERAGE
 MONTHLY TEMPRETURE IN CAPITALS OF OSTANS, THE YEAR 1396 (continued) (°c)**

Capital of Ostan	Tir			Mordad			Shahrivar		
	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp
Arak	38.8	15.4	27.4	38.4	16.6	27.5	36.0	10.0	24.0
Ardebil	36.0	7.6	19.2	37.6	9.2	20.8	35.6	3.4	19.3
Orumiyeh	37.6	11.0	25.3	37.6	12.8	26.0	37.4	8.8	22.9
Esfahan	40.8	18.2	29.9	38.8	18.2	29.0	36.0	11.0	25.0
Ahvaz	53.7	24.1	39.9	49.4	27.9	39.7	48.1	23.8	36.2
Ilam	41.3	14.1	30.5	40.8	19.1	31.7	39.5	16.8	28.7
Bojnurd	39.0	11.4	25.3	37.2	10.4	25.3	35.2	7.0	22.4
Bandar Abbas	45.4	28.1	35.5	45.6	28.3	34.8	43.9	21.5	33.5
Bushehr	45.0	21.6	33.8	43.0	29.8	35.8	41.2	27.6	34.2
Birjand	42.5	13.6	28.0	36.1	11.5	26.3	35.3	5.7	22.3
Tabriz	39.4	15.0	27.4	39.0	17.2	29.1	39.0	11.8	26.8
Tehran	39.6	16.6	30.8	41.2	22.6	31.2	37.2	18.6	28.2
Khorramabad.....	44.0	13.1	31.0	44.2	17.7	32.1	42.8	14.2	29.0
Rasht	35.0	18.4	25.8	38.4	20.2	28.0	34.8	15.2	26.2
Zahedan	43.4	16.0	30.3	39.2	14.0	28.9	36.1	10.0	24.9
Zanjan	38.9	11.8	25.6	39.2	11.9	26.7	38.7	6.0	23.8
Sari	38.4	18.6	26.9	38.8	22.8	29.4	40.8	19.2	28.2
Semnan	41.4	10.8	31.7	40.0	21.6	31.4	38.4	15.6	28.4
Sanandaj	41.0	11.9	28.7	41.4	12.6	29.0	40.2	9.0	25.4
Shahr-e-Kord	37.4	3.8	23.9	36.3	7.7	23.7	32.7	1.0	19.1
Shiraz	41.0	17.4	31.2	39.4	16.6	30.1	36.4	11.4	26.2
Qazvin	40.6	13.1	26.8	40.6	14.1	27.1	37.8	9.5	24.6
Qom	44.0	19.1	32.4	44.5	18.6	32.0	41.8	11.5	27.7
Karaj.....	39.1	14.9	27.7	40.3	16.4	28.5	37.7	12.3	25.4
Kerman	40.6	11.6	28.6	37.2	11.7	26.4	34.2	5.2	22.4
Kermanshah	40.8	12.0	29.1	40.6	14.3	30.1	40.2	11.0	26.9
Gorgan.....	42.5	17.0	28.0	42.1	20.8	30.0	42.8	15.8	28.2
Mashhad	40.3	16.4	28.2	42.2	13.9	27.9	35.6	12.8	24.8
Hamedan	36.9	8.7	25.2	38.3	11.9	25.8	36.6	7.8	22.5
Yasuj	38.8	13.4	27.2	37.4	14.8	26.7	34.8	8.4	23.5
Yazd	42.5	19.9	33.1	40.9	20.6	31.6	38.4	14.3	27.7

**1.8.HIGHEST MAXIMUM TEMPRETURE, LOWEST MINIMUM TEMPRETURE AND AVERAGE
MONTHLY TEMPRETURE IN CAPITALS OF OSTANS, THE YEAR 1396 (continued) (°c)**

Capital of Ostan	Mehr			Aban			Azar		
	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp
Arak	32.0	2.0	17.3	27.2	-1.8	12.8	17.6	-6.2	3.9
Ardebil	28.4	0.0	10.7	26.2	-4.0	10.8	16.0	-11.0	2.3
Orumiyeh	30.4	-0.6	13.5	24.9	0.4	10.2	14.8	-8.8	0.4
Esfahan	32.0	6.4	20.5	27.8	-0.8	14.2	20.2	-4.8	6.1
Ahvaz	42.9	16.4	30.0	38.0	10.7	23.5	26.7	4.1	15.4
Ilam	34.1	7.0	19.9	29.2	3.3	15.5	20.2	-2.2	7.6
Bojnurd	30.4	-0.4	14.4	29.8	-3.0	11.8	18.0	-9.0	2.9
Bandar Abbas	40.4	21.2	31.0	37.9	15.5	26.1	31.8	5.4	19.3
Bushehr	39.5	21.3	31.1	34.7	16.4	25.7	25.1	11.4	18.5
Birjand	33.0	1.0	19.0	29.9	-6.0	13.6	19.9	-11.8	5.5
Tabriz	31.0	0.6	15.3	24.0	0.2	11.4	13.8	-11.6	0.6
Tehran	31.8	9.6	20.2	28.8	6.6	17.2	17.4	0.4	7.3
Khorramabad.....	35.7	5.2	20.6	30.0	1.4	15.3	19.4	-3.2	6.9
Rasht	30.2	8.8	17.9	35.8	7.8	16.8	26.6	1.0	10.3
Zahedan	36.0	7.4	21.5	31.0	-2.7	15.7	21.7	-11.4	7.7
Zanjan	33.3	-0.5	15.0	26.9	-0.5	11.8	17.0	-8.8	2.5
Sari	34.2	10.0	19.8	36.0	8.0	17.8	27.8	1.4	10.2
Semnan	33.0	8.4	21.0	29.6	4.8	17.2	17.6	-2.2	6.6
Sanandaj	33.6	-1.2	16.6	28.4	-1.7	12.1	18.8	-5.8	3.7
Shahr-e-Kord	28.6	-4.8	14.2	24.4	-8.1	8.9	17.4	-14.5	2.2
Shiraz	33.2	7.8	22.0	29.0	0.0	15.0	21.4	-3.6	8.3
Qazvin	32.4	2.2	16.3	27.9	0.6	13.7	17.5	-4.9	4.2
Qom	36.8	3.9	20.4	32.7	0.0	16.0	20.0	-5.3	6.4
Karaj.....	31.3	4.0	17.1	29.0	1.9	15.6	17.1	-4.4	5.6
Kerman	33.6	3.4	19.2	31.3	-6.0	13.2	23.4	-12.1	6.1
Kermanshah	34.1	0.5	18.5	30.0	-1.7	14.0	17.3	-5.8	4.8
Gorgan.....	36.0	6.2	19.2	34.4	5.3	16.9	28.2	-1.4	8.9
Mashhad	30.8	3.6	16.6	31.2	0.9	14.6	20.2	-6.5	5.2
Hamedan	30.8	-3.1	14.8	25.8	-4.8	10.8	17.0	-10.2	2.1
Yasuj	30.4	6.4	18.2	26.8	0.2	12.3	20.0	-4.0	5.5
Yazd	35.0	9.7	23.2	33.0	4.0	17.6	23.7	-1.1	9.4

**1.8. HIGHEST MAXIMUM TEMPRETURE, LOWEST MINIMUM TEMPRETURE AND AVERAGE
MONTHLY TEMPRETURE IN CAPITALS OF OSTANS, THE YEAR 1396 (continued) (°c)**

Capital of Ostan	Dey			Bahman			Esfand		
	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp
Arak	21.8	-6.6	4.8	20.0	-14.2	4.1	23.0	-1.0	10.1
Ardebil	19.0	-13.0	4.0	15.2	-23.0	0.3	22.3	-6.8	6.3
Orumiyeh	15.2	-6.4	2.7	13.1	-12.4	1.7	21.0	-2.2	8.1
Esfahan	23.4	-6.4	6.1	23.0	-6.0	7.2	24.0	1.0	13.1
Ahvaz	27.8	3.5	15.5	29.5	3.7	16.2	33.2	11.0	20.7
Ilam	20.2	-2.6	7.1	20.0	-4.3	7.2	22.4	-0.2	10.5
Bojnurd	18.0	-5.2	4.2	18.2	-12.0	3.1	23.4	-2.0	8.8
Bandar Abbas	30.8	6.7	18.5	30.6	6.5	19.2	31.8	13.5	22.3
Bushehr	28.6	10.9	18.2	30.4	9.0	17.7	29.9	14.5	21.7
Birjand	22.6	-9.2	5.8	24.0	-9.7	6.5	25.0	-0.6	12.5
Tabriz	16.0	-6.6	3.2	13.6	-13.0	2.3	19.6	-1.6	8.0
Tehran	20.0	0.2	8.2	15.8	-8.4	6.3	23.0	3.8	13.2
Khorramabad.....	23.5	-4.2	7.0	21.6	-4.1	7.7	23.5	1.9	11.5
Rasht	24.2	1.8	9.3	17.8	-3.4	7.0	30.8	3.8	10.5
Zahedan	26.1	-5.2	9.2	28.4	-7.4	9.8	28.3	4.0	17.1
Zanjan	19.2	-6.3	4.6	14.9	-13.2	1.4	22.1	-1.4	7.0
Sari	21.2	0.4	9.4	21.0	-1.8	8.3	34.4	3.2	12.1
Semnan	17.6	-2.0	7.0	19.0	-5.4	7.1	24.0	2.8	13.6
Sanandaj	19.0	-6.8	5.0	18.0	-10.8	4.0	23.6	-0.7	9.4
Shahr-e-Kord	19.6	-13.5	2.8	18.9	-15.3	3.4	22.0	-6.0	7.4
Shiraz	23.4	-4.6	7.9	25.6	-6.0	10.2	25.4	1.0	13.4
Qazvin	17.8	-5.1	5.1	14.9	-14.2	2.8	25.1	0.2	9.6
Qom	22.0	-5.2	6.8	20.2	-5.3	6.7	29.5	2.5	14.6
Karaj.....	21.5	-3.0	6.7	15.2	-11.7	4.2	22.2	0.2	11.2
Kerman	24.9	-8.8	6.1	25.3	-10.2	7.6	25.5	-2.5	12.3
Kermanshah	19.6	-6.2	5.7	17.8	-8.2	5.9	22.5	-1.3	10.3
Gorgan.....	23.4	-1.7	8.4	18.0	-3.6	7.8	31.6	1.0	11.3
Mashhad	23.9	-4.6	6.1	21.6	-11.8	4.6	27.2	3.9	11.0
Hamedan	18.8	-9.7	3.0	15.3	-17.9	0.8	21.5	-2.3	8.1
Yasuj	21.6	-5.6	5.5	19.2	-6.6	6.4	22.2	-0.2	9.2
Yazd	25.3	-2.2	10.0	27.2	-3.6	10.5	28.7	5.6	16.0

Source: I. R. I. Meteorological Organization.

1.9.TOTAL PRECIPITATION IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1396 (mm)

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	42.4	59.2	0.0	0.2	0.0	0.0
Ardebil	30.4	32.9	2.4	9.3	1.3	0.1
Orumiyeh	60.3	13.4	1.1	0.0	0.7	0.0
Esfahan	14.9	39.3	0.0	0.0	0.0	0.0
Ahvaz	24.1	0.8	0.0	0.0	0.0	0.0
Ilam	139.2	19.5	0.0	0.0	0.0	0.0
Bojnurd	17.6	15.7	4.4	0.5	4.7	0.0
Bandar Abbas	72.9	0.0	0.0	0.0	0.0	0.0
Bushehr	71.9	3.3	0.0	0.0	0.0	0.0
Birjand	18.3	6.0	0.0	0.0	0.0	0.0
Tabriz	78.3	11.7	18.6	0.0	15.0	0.0
Tehran	38.4	39.4	0.0	9.4	0.0	0.0
Khorramabad.....	77.5	33.0	0.0	0.0	0.0	0.0
Rasht	90.4	16.4	26.7	9.2	1.6	86.2
Zahedan	12.3	4.8	0.0	0.0	0.0	0.0
Zanjan	41.0	22.1	0.0	1.3	4.8	0.0
Sari	56.5	35.0	1.3	8.1	1.3	10.7
Semnan	22.2	15.6	0.0	1.6	0.0	0.0
Sanandaj	74.6	36.2	0.0	0.0	0.0	0.0
Shahr-e-Kord	45.0	32.1	0.0	0.0	0.0	0.0
Shiraz	61.4	19.2	0.0	0.0	0.0	0.0
Qazvin	48.2	75.3	0.0	0.0	0.6	0.0
Qom	22.7	21.2	0.0	1.0	0.0	0.0
Karaj.....	37.4	53.9	0.0	0.8	0.0	0.0
Kerman	10.5	10.1	0.0	0.0	0.0	0.0
Kermanshah	133.4	21.9	0.0	0.0	0.0	0.0
Gorgan.....	38.3	32.4	1.9	8.6	0.0	4.5
Mashhad	74.5	18.5	2.6	1.0	3.8	0.0
Hamedan	49.4	22.2	0.0	1.2	0.0	0.0
Yasuj	73.0	46.6	0.0	0.0	9.4	0.3
Yazd	1.7	11.6	0.0	0.0	0.0	0.0

1.9. TOTAL PRECIPITATION IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1396**(continued)****(mm)**

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	0.0	3.2	4.5	10.6	23.3	24.2
Ardebil	43.6	9.7	6.5	13.5	57.5	24.4
Orumiyeh	0.9	19.0	25.8	13.7	84.5	24.7
Esfahan	0.0	0.0	1.0	0.5	28.3	6.1
Ahvaz.....	0.0	0.1	18.7	1.5	8.0	36.6
Ilam	0.0	24.0	62.6	34.0	191.0	88.7
Bojnurd	11.5	5.0	9.8	10.5	13.1	28.4
Bandar Abbas	0.0	0.0	3.1	0.0	0.0	7.1
Bushehr.....	0.0	1.9	141.0	2.4	0.0	12.5
Birjand	0.0	0.0	0.3	0.0	7.7	34.8
Tabriz	7.5	15.1	31.6	35.1	71.4	30.6
Tehran.....	4.4	0.0	3.6	2.4	40.9	21.4
Khorramabad.....	0.0	2.8	36.6	50.1	68.7	62.7
Rasht	267.3	16.6	68.0	92.3	156.8	32.0
Zahedan	0.0	0.0	0.0	1.0	7.4	4.5
Zanjan	0.0	11.9	15.2	22.4	68.6	28.8
Sari	107.0	53.4	52.9	92.2	91.3	30.0
Semnan	0.8	0.0	0.0	0.0	6.1	20.7
Sanandaj	0.0	25.3	26.0	19.2	120.5	34.9
Shahr-e-Kord	0.0	0.0	4.0	12.8	44.5	11.8
Shiraz	0.0	0.0	46.3	5.9	1.2	37.8
Qazvin	10.0	8.9	9.8	16.3	75.3	47.9
Qom	0.0	0.0	4.3	2.9	26.1	15.3
Karaj.....	6.0	0.0	5.4	1.8	38.0	26.8
Kerman	0.0	0.0	1.2	2.4	2.3	8.3
Kermanshah.....	0.0	13.0	30.8	17.7	90.3	34.6
Gorgan	114.1	12.3	78.8	55.8	45.3	32.3
Mashhad	0.1	6.3	2.3	1.0	0.8	75.0
Hamedan	0.1	6.0	26.2	12.6	66.4	23.4
Yasuj	0.0	0.0	78.4	7.4	42.9	98.2
Yazd	0.0	0.0	0.4	1.2	7.4	1.3

Source: I. R. I. Meteorological Organization

1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS, THE YEAR 1396 (hour)

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	199 .2	270 .9	372 .4	285 .4	339 .2	324 .8
Ardebil	202 .7	234 .3	328 .9	315 .5	356 .0	317 .6
Orumiyeh	229 .0	281 .6	389 .7	353 .9	371 .1	330 .5
Esfahan	252 .3	277 .9	394 .9	363 .3	375 .5	349 .6
Ahvaz	199 .6	263 .8	369 .7	347 .6	343 .9	319 .0
Ilam	186 .7	280 .6	386 .6	337 .2	341 .8	327 .8
Bojnurd	190 .3	269 .7	370 .3	353 .8	361 .2	350 .5
Bandar Abbas	262 .7	322 .5	349 .4	303 .1	324 .4	312 .4
Bushehr	224 .4	283 .4	351 .6	327 .1	297 .6	296 .1
Birjand	282 .4	304 .7	390 .1	375 .2	383 .8	349 .8
Tabriz	216 .5	283 .2	365 .9	335 .6	351 .3	331 .0
Tehran	201 .7	261 .2	388 .4	351 .5	359 .6	339 .5
Khorramabad.....	210 .8	275 .3	383 .3	341 .1	343 .5	330 .1
Rasht	130 .5	158 .3	238 .5	225 .9	293 .2	233 .7
Zahedan	242 .4	274 .5	341 .7	320 .9	348 .5	341 .1
Zanjan	198 .1	290 .0	391 .3	339 .3	361 .7	339 .2
Sari	144 .6	153 .1	217 .3	241 .1	301 .4	267 .4
Semnan	212 .8	277 .4	376 .5	340 .7	346 .7	328 .5
Sanandaj	204 .6	293 .5	399 .3	344 .5	358 .6	331 .1
Shahr-e-Kord	228 .6	277 .9	381 .7	335 .1	325 .0	326 .7
Shiraz	259 .8	294 .4	378 .8	335 .9	329 .6	335 .9
Qazvin	183 .6	256 .4	371 .8	339 .2	352 .0	337 .5
Qom	198 .3	285 .0	387 .7	352 .1	364 .1	348 .1
Karaj.....	188 .5	278 .7	389 .8	354 .5	370 .6	346 .7
Kerman	262 .6	268 .1	371 .7	351 .3	375 .3	361 .6
Kermanshah	166 .8	268 .1	384 .7	323 .1	352 .7	325 .8
Gorgan	167 .1	179 .7	281 .2	272 .7	342 .9	320 .8
Mashhad	198 .7	306 .0	364 .3	348 .1	378 .1	346 .1
Hamedan	202 .5	291 .3	392 .0	329 .3	346 .6	332 .8
Yasuj	234 .5	279 .1	391 .9	346 .7	299 .6	332 .7
Yazd	264 .4	284 .0	386 .0	355 .4	370 .3	353 .8

1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS, THE YEAR 1396 (continued) (hour)

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	289 .2	222 .6	203 .8	192 .2	149 .8	195 .1
Ardebil	201 .3	166 .5	177 .3	162 .4	128 .7	157 .5
Orumiyeh	276 .7	189 .8	177 .6	162 .3	168 .5	163 .7
Esfahan	304 .8	248 .9	246 .1	224 .5	219 .7	252 .9
Ahvaz	290 .9	213 .8	206 .9	218 .4	190 .5	227 .2
Ilam	289 .9	187 .0	205 .3	173 .0	151 .4	210 .0
Bojnurd	233 .1	233 .5	154 .5	157 .9	179 .9	150 .2
Bandar Abbas	285 .8	268 .0	233 .0	257 .2	233 .0	211 .5
Bushehr	284 .3	248 .6	227 .9	76 .8	215 .7	212 .7
Birjand	310 .4	279 .8	254 .2	243 .1	207 .2	193 .3
Tabriz	285 .6	162 .2	178 .1	154 .2	147 .8	158 .2
Tehran	280 .3	210 .9	216 .8	201 .2	165 .1	211 .5
Khorramabad.....	302 .4	219 .9	194 .1	205 .2	154 .5	207 .3
Rasht	130 .6	88 .3	106 .4	69 .5	61 .9	53 .4
Zahedan	302 .9	289 .4	248 .2	249 .9	228 .4	229 .5
Zanjan	281 .6	178 .5	178 .7	149 .2	149 .9	168 .6
Sari	166 .1	166 .7	156 .8	109 .3	104 .1	76 .9
Semnan	279 .0	239 .2	231 .9	196 .7	159 .0	205 .0
Sanandaj	291 .0	183 .5	197 .0	161 .5	163 .2	191 .0
Shahr-e-Kord	301 .7	258 .0	236 .7	209 .0	217 .2	250 .1
Shiraz	307 .9	269 .5	229 .4	250 .3	259 .3	235 .3
Qazvin	266 .0	178 .4	203 .5	175 .2	153 .0	159 .9
Qom	290 .5	242 .0	241 .9	220 .0	189 .7	198 .4
Karaj.....	281 .0	221 .8	229 .7	202 .6	181 .7	197 .4
Kerman	321 .2	295 .1	258 .0	254 .9	223 .4	240 .7
Kermanshah.....	279 .9	173 .1	177 .8	153 .5	141 .5	168 .4
Gorgan.....	198 .6	178 .2	156 .9	117 .4	112 .4	101 .0
Mashhad	265 .4	246 .2	176 .7	178 .1	189 .9	114 .6
Hamedan	281 .7	197 .5	204 .1	196 .4	157 .5	203 .0
Yasuj	303 .3	274 .0	217 .9	222 .3	237 .9	219 .3
Yazd	308 .9	276 .3	251 .8	232 .4	223 .9	235 .8

Source: I. R. I. Meteorological Organization.

1.11. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1396 (mps)

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	24	17	10	10	12	8
Ardebil	28	20	16	14	17	14
Orumiyeh	10	11	11	9	8	34
Esfahan	13	14	12	11	8	7
Ahvaz	15	17	19	18	16	10
Ilam	16	12	40	15	16	17
Bojnurd	11	10	12	10	11	9
Bandar Abbas	12	10	9	9	10	9
Bushehr	26	21	15	14	12	10
Birjand	11	16	11	12	11	11
Tabriz	15	22	14	13	12	11
Tehran	15	27	13	11	11	6
Khorramabad.....	12	14	13	12	12	12
Rasht	10	19	9	6	7	7
Zahedan	14	13	12	14	13	10
Zanjan	24	19	17	17	13	12
Sari	14	13	12	8	11	8
Semnan	13	14	10	12	12	11
Sanandaj	12	9	10	8	20	7
Shahr-e-Kord	20	24	17	21	17	14
Shiraz	17	14	10	12	12	10
Qazvin	16	24	16	14	21	11
Qom	21	28	20	17	14	25
Karaj.....	12	17	10	12	13	8
Kerman	26	19	11	14	13	9
Kermanshah.....	12	12	10	12	50	8
Gorgan.....	18	17	14	12	15	14
Mashhad	15	16	13	14	16	11
Hamedan	15	16	18	15	18	14
Yasuj	10	11	8	9	11	10
Yazd	18	21	13	17	19	13

1.11. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1396
(continued) (mps)

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	10	8	10	16	10	15
Ardebil	15	23	15	18	18	22
Orumiyeh	10	16	10	12	7	13
Esfahan	14	10	15	12	12	15
Ahvaz	9	16	12	17	19	12
Ilam	15	13	8	20	16	14
Bojnurd	13	10	9	10	10	10
Bandar Abbas	10	8	11	10	8	11
Bushehr	11	16	15	13	15	14
Birjand	11	10	15	11	16	11
Tabriz	11	15	10	17	13	12
Tehran	15	13	14	12	13	17
Khorramabad.....	12	11	13	12	16	19
Rasht	15	12	12	16	11	14
Zahedan	12	11	14	15	16	17
Zanjan	15	17	14	18	16	20
Sari	12	11	14	11	12	15
Semnan	11	9	9	12	12	10
Sanandaj	10	14	10	15	9	13
Shahr-e-Kord	19	14	19	20	22	21
Shiraz	11	16	7	12	13	14
Qazvin	13	14	12	14	17	17
Qom	16	13	18	18	18	22
Karaj.....	13	13	13	11	19	12
Kerman	8	8	9	16	20	17
Kermanshah.....	12	12	8	12	15	10
Gorgan.....	9	16	18	16	15	27
Mashhad	11	7	10	15	13	14
Hamedan	21	19	15	18	23	20
Yasuj	11	8	6	9	19	12
Yazd	14	11	10	17	20	21

Source: I. R. I. Meteorological Organization.

1.12. TOTAL ANNUAL PRECIPITATION IN CAPITALS OF OSTANS (mm)

Capital of Ostan	Year							
	1380	1385	1390	1392	1393	1394	1395	1396
Arak	260	283	199	264	264	285	374	168
Ardebil	234	237	259	268	279	297	230	232
Orumiyeh	228	372	334	241	347	277	286	244
Esfahan	94	220	150	157	96	96	71	90
Ahvaz	235	184	89	238	137	270	113	90
Ilam	598	555	361	664	383	842	449	559
Bojnurd	176	241	209	116	250	227	276	121
Bandar Abbas	85	277	58	272	190	152	149	83
Bushehr	488	224	124	325	99	273	80	233
Birjand	145	135	95	114	111	144	97	67
Tabriz	210	129	272	226	300	287	263	315
Tehran	192	227	316	82	134	209	194	160
Khorramabad.....	440	510	286	434	370	536	563	332
Rasht	1262	1476	1637	1325	1318	1388	1479	864
Zahedan	14	55	47	108	68	104	55	30
Zanjan	232	308	366	290	299	283	230	216
Sari	591	684	919	741	641	725	824	540
Semnan	73	177	176	80	110	108	128	67
Sanandaj	310	449	373	319	265	444	317	337
Shahr-e-Kord	334	413	240	324	297	310	317	150
Shiraz	317	305	274	381	225	272	284	172
Qazvin	232	325	424	250	221	314	297	292
Qom	125	111	123	82	74	112	139	94
Karaj.....	351	302	351	134	191	221	211	170
Kerman	119	134	108	169	123	110	98	35
Kermanshah	357	430	415	409	224	513	457	342
Gorgan.....	468	522	724	387	364	478	491	424
Mashhad	153	223	254	141	287	183	287	186
Hamedan	225	283	313	310	172	216	344	208
Yasuj	1126	777	661	648	624	611	533	356
Yazd	60	44	22	64	43	38	24	24

Source: I. R. I. Meteorological Organization.

1.13. AVERAGE ANNUAL HEIGHT OF PRECIPITATION IN OSTANS**(mm)**

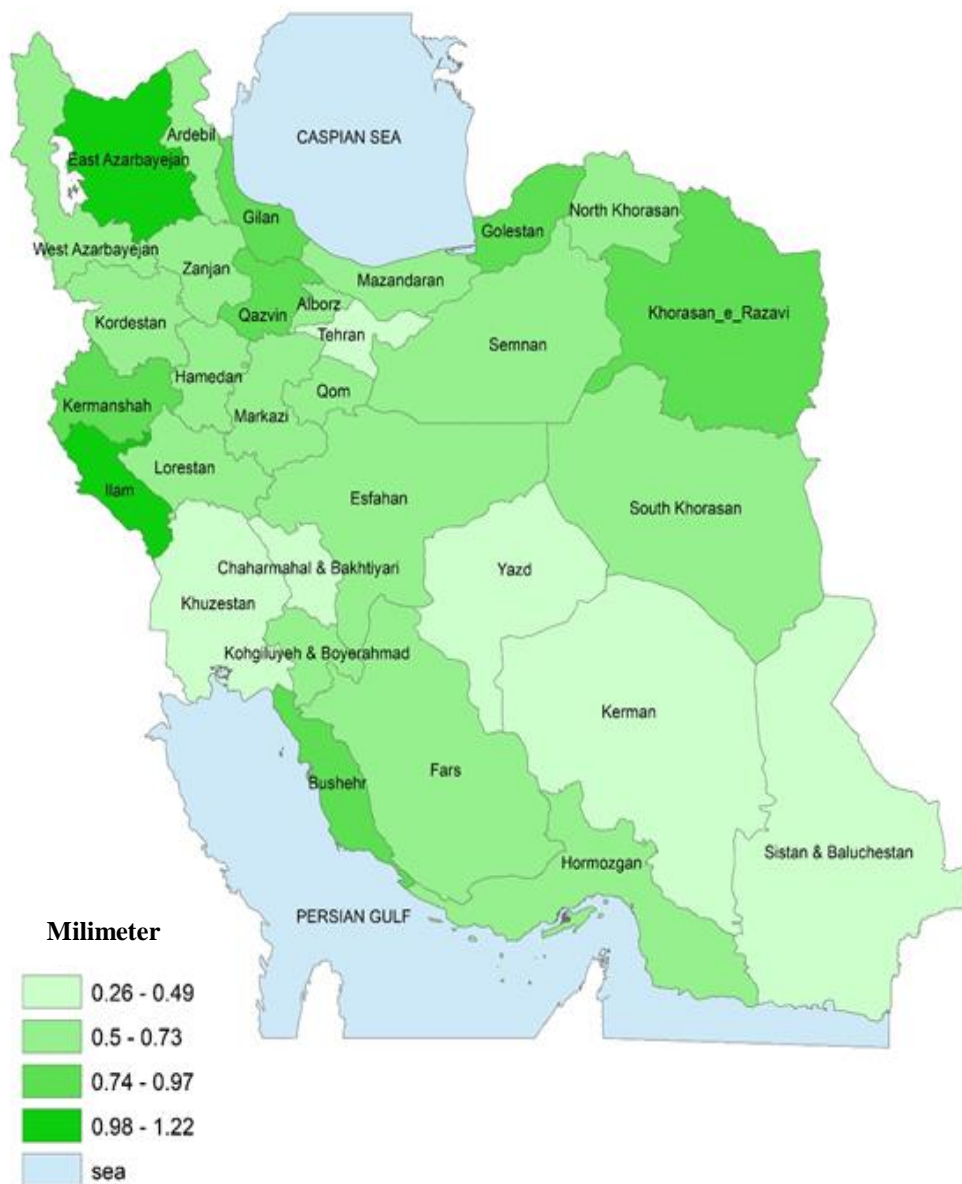
Ostan	Year								Long term
	1380	1385	1390	1392	1393	1394	1395	1396	
Total country.....	195.98	147.68	205.92	219.6	220.2	221.3	233.2	232.3	340.7
East Azarbayejan	206.66	204.8	295.6	245.8	337.7	326.4	279	315.1	277.4
West Azarbayejan	278.78	289.83	407.57	311.9	361.2	391.8	319.2	244.3	402.4
Ardebil.....	291.21	195.15	378.85	294.6	341	378.3	338.2	231.8	325.6
Esfahan	136.1	127.9	144.56	176.6	175.4	121.8	128.9	90.1	180.7
Alborz.....	000 ⁽¹⁾	000 ⁽¹⁾	000 ⁽¹⁾	191.9	202.2	388.9	403.9	170.2	292.9
Ilam	432.08	245.55	262.11	515.8	357.5	562.2	430.5	559.0	460.9
Bushehr	457.87	174.04	124.28	362.3	124.3	264.7	268.6	233.0	258.2
Tehran	235.47 ⁽¹⁾	185.01 ⁽¹⁾	380.99 ⁽¹⁾	177.1	230.7	263.7	307	160.1	340.8
Chaharmahal & Bakhtiyari..	670.53	432.25	488.99	548.8	448.8	500	549.5	150.2	574.8
South Khorasan	000 ⁽²⁾	36.53	99.1	102.2	109.5	85.6	94.4	67.2	117.4
Khorasan-e-Razavi	114.95 ⁽²⁾	86.85	198.34	117.7	236.1	137.1	212.9	185.9	205.2
North Khorasan	000 ⁽²⁾	185.51	300.66	174.8	245.9	257.3	282.6	121.4	240.9
Khuzestan.....	360.7	195.36	179.27	319.3	187.1	347.2	244.6	89.9	303.0
Zanjan	237.74	211.37	383.55	287.3	252.7	295.7	280.4	216.2	308.5
Semnan	110.04	105.22	156.36	72.1	134	111.3	131.8	67.1	133.0
Sistan & Baluchestan	31.95	48.78	74.1	150.6	78.5	71	92.8	30.1	94.4
Fars	305.62	205.79	226.74	294.1	223.6	246.3	374.2	171.9	282.4
Qazvin	330.04	266.95	422.24	282.7	250.7	282	283.2	292.4	334.4
Qom	107.95	99.01	141.74	103.2	80.5	117.4	173.7	93.6	151.1
Kordestan	399.62	309.74	472.39	395.5	392.1	473.9	392.5	336.8	484.9
Kerman.....	93.08	58.79	79.3	172.4	145.2	122.8	135.1	34.8	132.6
Kermanshah	370.12	285.22	432.58	455.3	331.8	575.4	472.8	341.8	432.7
Kohgiluyeh & Boyerahmad	712.05	286.45	426.15	496.8	417.2	471.3	386.1	356.2	599.7
Golestan	382.98	302.73	567.95	345	408.5	547.5	557.6	424.4	481.5
Gilan	1057.41	897.2	1231.13	912.6	1104.1	977.2	1011.6	863.7	1138.2
Lorestan	405.97	336.2	331.13	432.7	412.2	601.3	591.8	331.5	459.1
Mazandaran	774.84	570.26	909.19	604.8	700.4	722.4	774.5	539.9	823.9
Markazi	193.89	190.95	238.27	265.2	232.5	257.1	314.6	167.7	265.9
Hormozgan	105.33	93.91	73.51	199.7	87.8	184.2	192	83.1	150.2
Hamedan	271.51	248.53	350.89	284.5	272.4	354.9	395.4	207.5	336.4
Yazd	76.19	46.52	60.31	83.5	87.8	68.7	59.1	23.7	70.0

1. Statistics for Alborz are included with Tehran.

2. Statistics for South Khorasan and North Khorasan are included with Khorasan-e-Razavi.

Source: I.R.I. Meteorological Organization.

1.5. AVERAGE PRECIPITATION HEIGHT RATIO IN OSTANS IN THE YEAR 1396 TO THE LONG – TERM AVERAGE



For Data see Table 1.13

1.14. AREA AND OVERLAND FLOW COEFFICIENT OF MAIN BASINS

Main basin	Area (1000 km ²)	Coefficient of overland flow, the 48-year average (1347-1395)(%)
Total country	1622 .6	21
Caspian Sea	174 .6	22
Persian Gulf and Oman Sea	424 .5	30
Lake Orumiyeh	51 .8	29
Central Plateau	824 .4	10
Eastern Border	103 .2	13
Qareh Qum	44 .2	30

Source: Ministry of Energy.

1.15. VOLUME OF PRECIPITATION IN THE MAIN BASINS**(bln m³)**

Aquatic year	Total country	Caspian Sea	Persian Gulf & Oman Sea	Lake Orumiyeh	Central Plateau	Eastern Border	Qareh Qum
The 48-year average (from the years 1347-1348 through 1394-1395)	406 .460	75 .270	155 .540	17 .760	136 .600	11 .490	9 .880
1379-80	299 .550	60 .756	110 .450	12 .031	105 .931	3 .923	6 .459
1384-85	351 .635	66 .164	147 .105	17 .102	109 .583	4 .731	6 .950
1389-90	328 .184	66 .913	120 .200	15 .405	110 .723	8 .331	6 .613
1391-92	393 .276	70 .789	148 .588	17 .105	136 .064	11 .580	9 .150
1392-93	357 .175	63 .969	141 .775	14 .635	118 .303	10 .484	8 .009
1393-94	328 .846	80 .725	101 .152	19 .560	108 .311	9 .499	9 .598
1394-95	397 .210	90 .540	153 .160	20 .920	111 .210	10 .070	11 .170
1395-96	378 .390	60 .290	156 .600	14 .360	132 .730	6 .440	7 .970

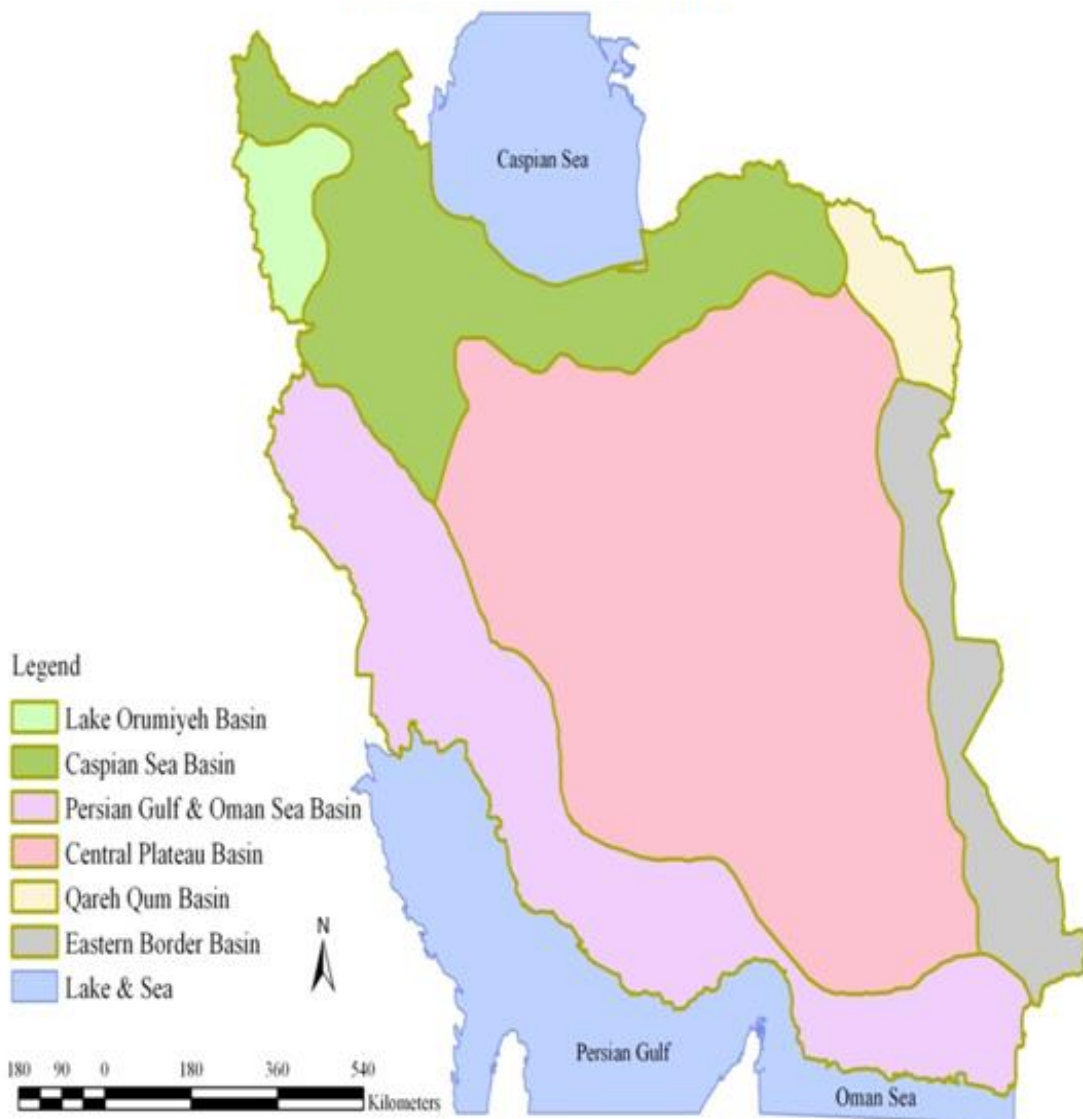
Source: Ministry of Energy.

1.16. ESTIMATED VOLUME OF OVERLAND FLOWS OF THE MAIN BASINS (bln m³)

Aquatic year	Total country	Caspian Sea	Persian Gulf & Oman Sea	Lake Orumiyeh	Central Plateau	Eastern Border	Qareh Qum
The 48-year average (from the years 1347-1348 through 1394-1395)	86 .382	16 .518	47 .049	5 .186	13 .234	1 .466	2 .929
1379-80	37 .640	6 .540	23 .560	1 .270	4 .520	0 .462	1 .284
1384-85	90 .317	11 .148	62 .297	3 .701	11 .458	0 .322	1 .391
1389-90	44 .187	7 .904	23 .290	2 .947	8 .718	0 .293	1 .034
1391-92	49 .000	8 .460	27 .160	3 .030	7 .900	0 .812	1 .642
1392-93	42 .703	6 .356	25 .805	2 .570	6 .405	0 .346	1 .222
1393-94	40 .879	6 .976	22 .261	2 .118	7 .973	0 .300	1 .252
1394-95	59 .112	9 .942	33 .559	4 .956	8 .715	0 .307	1 .632
1395-96	52 .960	9 .219	29 .397	2 .904	9 .962	0 .341	1 .137

Source: Ministry of Energy.

1.6. MAIN BASINS OF IRAN



For Data See Table 1.14.