

Introduction

The statistical information that 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, the Caspian Sea, Republic of Azerbaijan, and Armenia on the north, Afghanistan and Pakistan on the east, Oman Sea and the 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 Azarbayegan, Alborz mountain ranges at the north

of Tehran and south of Mazandaran and Gilan Ostans, Ala Dag, Binalud, Hezar Masjed and Qarah Dag 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 meters height.

The southern mountain range stretches from Khouzestan 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 from 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 a 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 year..

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 the 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 the 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 Shahr (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.

Sunshine hours: According to the World Meteorological Organization (WMO), the sunshine hour refers to the sunshine as the time during which the direct solar radiation exceeds the level of 120 W/m².

The 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 1398, 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 13.6 thousand Km² ranks the 29th among the nation's Ostans.

In the year 1398, Iran has 31 Ostans (provinces), 448 Shahrestans (sub-provinces), 1101 Bakhshes (counties), 1361 Shahrs (cities) and 2638 Dehestans

(rural agglomerations).

In the year 1398, the average maximum and minimum temperatures in Ostans' centers are for Bandar Abbas with 27.1°C and Ardebil with 10.7°C, respectively. Furthermore, the absolute maximum belongs to Ahvaz with 50°C and the absolute minimum goes to Zanjan with -21°C. Also in the mentioned year, the highest annual precipitation of the country belongs to Rasht and Yasuj, which amounted to 1702.6 and 865.2 mm, respectively, and Yazd and Kerman with 100.1 and 128.9 mm respectively had the lowest annual precipitation amongst all Ostans' capitals. In the year 1398, the maximum frosty days go to Shahr-e-Kord with 70 days, Hamedan with 62 days, and Zanjan with 57 days; and Ahvaz experienced no frosty day.

The volume of precipitation in national main basins during the aquatic year of 1397-98 was approximately 555.091 billion m³ out of which the share of each basin is as follows: the Caspian Sea, 99.662 billion m³, the Persian Gulf and Oman Sea, 227.405 billion m³, the Lake of Orumiyeh: 25.589 billion m³, Central Plateau, 176.422 billion m³, Eastern Border, 12.415 billion m³ & Qareh Qum, 13.711 billion 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 %, Lake of Orumiyeh: 3.00%, Central Plateau: 51.00%, Eastern Border: 6 % and Qareh Qum: 3 %.

1.1. LENGTH OF IRANIAN BORDERLINES, THE YEAR 1398 (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 1398

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 & Bakhtiyari	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
1394.....	430	1059	1243	2590
1395 ⁽¹⁾	429	1058	1246	2589
1396.....	429	1058	1287	2589
1397.....	435	1079	1331	2610
1398.....	448	1101	1361	2638

1. The decrease in the number of Shahrestans, Bakhshes, and Dehestans is due to Bastam in Semnan Ostan excluded 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 1398

Ostan	Capital of Ostan	Area ⁽¹⁾ (sq km)	Number of Shahrestans	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Total country	××	1630847.90	448	1101	1361	2638
East Azarbayejan.....	Tabriz	45468.86	21	46	68	144
West Azarbayejan	Orumiyeh	37542.95	17	41	47	114
Ardebil	Ardebil	17875.54	11	30	31	73
Esfahan.....	Esfahan	107116.10	24	52	110	129
Alborz	Karaj	5182.03	6	13	18	29
Ilam	Ilam	20164.11	11	28	27	52
Bushehr	Bushehr	22911.22	10	27	40	52
Tehran	Tehran	13538.43	16	34	46	71
Chaharmahal & Bakhtiari	Shahr-e-Kord	16320.98	10	26	43	51
South Khorasan	Birjand	151018.30	11	25	30	61
Khorasan-e-Razavi.....	Mashhad	119063.90	30	74	79	169
North Khorasan	Bojnurd	28385.52	8	19	24	45
Khuzestan.....	Ahvaz	64426.29	27	67	87	142
Zanjan	Zanjan	21733.12	8	18	21	49
Semnan.....	Semnan	97750.91	8	15	20	31
Sistan & Baluchestan	Zahedan	182312.10	23	58	50	123
Fars.....	Shiraz	122199.40	36	93	113	215
Qazvin	Qazvin	15594.92	6	19	25	46
Qom.....	Qom	11454.75	1	5	6	9
Kordestan	Sanandaj	29201.32	10	31	32	86
Kerman.....	Kerman	181152.30	23	60	82	154
Kermanshah	Kermanshah	25186.86	14	32	35	87
Kohgiluyeh & Boyerahmad	Yasuj	15505.44	9	21	18	48
Golestan	Gorgan	20411.88	14	27	34	60
Gilan.....	Rasht	13988.14	16	43	52	109
Lorestan.....	Khorramabad	28090.74	11	31	30	87
Mazandaran.....	Sari	23771.16	22	57	61	131
Markazi	Arak	29196.19	12	23	34	66
Hormozgan.....	BandarAbbas	71088.41	13	39	46	85
Hamedan	Hamedan	19372.20	10	26	31	75
Yazd	Yazd	73823.83	10	21	21	45

1. Referring to land area.

Source: Ministry of the Interior.

1.1. NATIONAL ADMINISTRATIVE DIVISIONS, THE YEAR 1398



For data see Table 1.4.

1.5. BAKHSHEs, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1398

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Total country	1101	1361	2638
EastAzarbayejan	46	68	144
Azarshahr	3	4	7
Osku	2	3	5
Ahar	2	1	7
Bostanabad	2	2	9
Bonab	1	2	3
Tabriz	2	4	6
Jolfa	2	3	5
Charoimaq	2	1	6
Khoda Afarien	3	3	7
Sarab	2	4	9
Shabestar	3	11	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	6	6
Hashtrud	2	2	7
Hurand	2	1	4
West Azarbayejan.....	41	47	114
Orumiyeh	5	5	20
Oshnaviyeh	2	2	4
Bukan	2	2	7
Poldasht	2	2	4
Piranshahr	2	2	5
Takab	2	2	6
Chaldoran	2	2	5
Chaypareh.....	2	2	4
Khoy	5	6	12
Sardasht	2	4	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
Ardebil.....	30	31	73
Ardebil.....	3	4	10
Aslanduz	2	1	4

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1398 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Bilehsavar.....	2	2	4
Parsabad	3	3	6
Khalkhal	3	3	8
Sareyn	2	2	4
Kowsar	2	1	4
Garmi	3	3	9
Meshkinshahr	5	7	12
Namin	3	3	7
Nayer	2	2	5
Esfahan.....	52	110	129
Aran & Bidgol.....	2	4	3
Ardestan	3	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	6	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	7	5
Naeen	2	3	5
Najafabad	2	6	5
Natanz	2	4	5
Alborz.....	13	18	29
Eshtehard.....	2	2	4
Savojbalagh.....	3	5	6
Taleghan.....	2	1	4
Fardis.....	2	2	4
Karaj.....	2	6	6
Nazarabad.....	2	2	5
Ilam.....	28	27	52
Abdanan	3	3	6
Ilam	3	3	6
Ivan	2	2	4
Badreh	2	2	4
Chardavel	3	4	5

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1398 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Darrehshahr.....	2	2	4
Dehloran.....	5	4	9
Sirvan	2	1	4
Malekshahi	2	3	4
Mehran	2	2	2
Holeylan.....	2	1	4
Bushehr	27	40	52
Bushehr	3	4	4
Tangestan	2	3	4
Jam	2	4	5
Dashtestan	6	9	12
Dashti	3	4	7
Dayyer	3	5	6
Deylam	2	2	4
Asalouye.....	2	4	4
Kangan	2	3	4
Genaveh	2	2	2
Tehran	34	46	71
Eslamshahr	3	2	6
Baharestan.....	2	3	4
Pakdasht	2	3	6
Pardis.....	2	3	4
Pishva.....	2	1	4
Tehran	3	1	4
Damavand	2	5	5
Robatkarim.....	1	3	3
Rey	5	6	9
Shemiranat	2	4	3
Shahriar	2	7	6
Firuzkuh	2	2	5
Qods	1	1	2
Qarchak.....	1	1	2
Malard	2	2	4
Varamin	2	2	4
Chaharmahal & Bakhtiari.....	26	43	51
Ardal	2	4	4
Borujen	3	6	5
Bon.....	2	3	4
Khan Mirza	2	1	4
Saman.....	2	2	4
Shahr-e-Kord	3	9	6
Farsan	3	7	5
Kuhrang	3	3	7
Keyar.....	2	4	4
Lordegan	4	4	8
South Khorasan.....	25	30	61
Boshroye	2	2	4
Birjand.....	1	1	6
Khosaf	2	2	5
Darmitan	3	4	6

1.5. BAKHSHEs, SHAHRS AND DEHESTANS BY OStan AND SHAHRESTAN AT THE END OF THE YEAR 1398 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
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
Khorasan-e-Razavi	74	79	169
Bakharz	2	2	4
Bajestan.....	2	2	4
Bardaskan	3	3	6
Binalood.....	2	2	4
Taybad	2	3	4
Torbat-e-Jam	4	5	9
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	3	2	6
Davarzan	2	1	4
Dargaz	4	4	7
Rashtkhar	2	2	4
Zaveh.....	2	2	4
Sabzevar	3	5	10
Sarakhs	2	2	6
Saleh Abbad	2	1	5
Fariman	2	4	5
Firooze	2	2	4
Quchan	2	2	5
Kashmar	2	1	4
Kalat	2	2	4
Koohsorkh.....	2	1	4
Gonabad	2	3	4
Mashhad	3	3	11
Mah-Velat	2	2	4
Neyshabur	4	5	14
North Khorasan	19	24	45
Esfarayen	2	2	7
Bojnurd	2	3	5
Jajarm	3	3	5
Raz & Jargalan.....	3	3	6
Shirvan	3	4	9
Faruj	2	2	5
Garmeh.....	1	3	2
Maneh and Samalqan.....	3	4	6
Khuzestan	67	87	142
Abadan	2	3	6
Aghajaree	2	2	2
Omidiyeh.....	2	3	3

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1398 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Endika	3	3	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	12	11
Dasht-e-Azadegan.....	2	4	5
Ramshir	2	2	4
Ramhormoz.....	4	3	8
Shadegan	3	3	8
Shush.....	3	5	7
Shushtar.....	3	5	6
Karoun.....	2	1	4
Gotvand	2	5	4
Lali	2	1	4
Masjed Soleyman.....	3	3	6
Haftgol	2	1	3
Hendiyan.....	2	2	4
Hovayzeh	2	2	4
Zanjan.....	18	21	49
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	3	2	6
Mahneshan	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.....	58	50	123
Iranshahr.....	3	2	6
Bampour.....	2	2	4
Taftan	3	1	6
Chabahar ⁽¹⁾	2	2	3
Khash	3	3	8

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1398 (continued)

Ostan and Shahrestan	Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs
Dashtiyari.....	2	1	4
Delgan.....	2	2	5
Rask.....	2	3	6
Zabol.....	1	2	1
Zahedan.....	3	3	6
Zahak.....	2	2	4
Saravan.....	4	5	9
Sarbaz.....	4	1	8
Sibsavarani.....	2	2	4
Fonuch.....	2	2	4
Qaser-e Qand.....	3	2	6
Konarak.....	2	2	4
Mehrestan.....	2	2	4
Mirjave.....	3	3	7
Neekshahr.....	4	3	11
Neemrooz.....	2	1	4
Hamoon.....	2	2	4
Hirmand.....	2	2	5
Fars.....	93	113	215
Abadeh.....	2	5	5
Arsanjan.....	1	1	3
Estahban.....	2	3	3
Eqlid.....	3	4	8
Oz.....	2	1	4
Bakhtegan.....	2	1	4
Bavanat.....	2	2	4
Beyza.....	2	1	4
Pasargad.....	2	2	4
Jahrom.....	3	3	7
Kharamah.....	2	4	5
Khorrambid.....	2	2	3
Khafr.....	2	2	6
Khonj.....	2	2	4
Darab.....	5	5	12
Rostam.....	2	2	4
Zarghan.....	2	2	4
Zarrindasht.....	2	3	5
Sepidan.....	2	2	5
Sarchehan.....	2	2	4
Sarvestan.....	2	2	4
Shiraz.....	2	4	9
Farashband.....	2	3	4

1.5. BAKHSHEs, SHAHRS AND DEHESTANS BY OStan AND SHAHRESTAN AT THE END OF THE YEAR 1398 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Fasa	4	6	8
Firuzabad.....	2	2	5
Qirukarzin	2	5	5
Kazerun	4	4	12
Kuar.....	2	2	4
Kuhchenar	2	2	4
Grash	2	2	4
Larestan.....	5	8	11
Lamerd	4	5	8
Marvdasht.....	5	7	15
Mamasani	4	3	10
Mohr.....	4	6	8
Neyriz.....	3	3	6
Qazvin.....	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
Qom.....	5	6	9
Qom	5	6	9
Kordestan.....	31	32	86
Baneh	4	4	8
Bijar	3	5	11
Dehgalan	2	2	5
Divandarreh	3	3	8
Sarvabad	2	2	8
Saqquez	4	3	11
Sanandaj	4	3	12
Qorveh	4	4	10
Kamyaran	2	2	7
Marivan	3	4	6
Kerman.....	60	82	154
Arzooeyeh	2	2	5
Anar.....	1	2	2
Baft.....	2	3	6
Bardsir	4	5	8
Bam	3	2	6
Jiroft	5	5	15
Rabar	2	2	4
Ravar	2	2	3
Rafsanjan	4	6	14
Rudbar-e-Jonub.....	2	2	4
Reegan.....	2	2	4
Zarand	2	5	11
Sirjan	5	7	10
Shahr-e-Babak	2	5	9

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1398 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Anbarabad	2	3	7
Faryab	2	2	4
Fahraj	2	2	4
Ghaleh-Ganj	2	3	5
Kerman	6	13	16
Kohbonan	2	2	3
Kahnuj	2	3	5
Manujan	2	2	5
Narmashir	2	2	4
Kermanshah	32	35	87
Eslamabad-E-Gharb	2	2	7
Paveh	3	5	5
Salas-e-Babajani	3	3	5
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
Kohgiluyeh & Boyerahmad	21	18	48
Basht	2	2	4
Bahmaee	2	1	4
Boyerahmad	4	4	10
Cheram	2	2	4
Dena	2	2	4
Kohgiluyeh	4	4	10
Gachsaran	1	1	4
Lande	2	1	4
Maregoon	2	1	4
Golestan	27	34	60
Azadshahr	2	3	4
Aq Qala	2	2	5
Bandar Gaz	2	2	4
Torkaman	2	2	4
Ramyan	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

1.5. BAKHSHEs, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1398 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Gonbad-e-Kavus	2	2	6
Marave-Tapeh.....	2	2	4
Minudasht	2	2	4
Gilan.....	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
Tavaleh	4	5	10
Fuman	2	3	6
Lahijan	2	2	7
Langrud	3	5	7
Masal	2	2	4
Lorestan.....	31	30	87
Azna	2	2	4
Aligudarz	5	4	12
Borujerd	2	3	7
Poldokhtar	2	2	7
Chegeni ⁽²⁾	3	2	6
Khorramabad	4	4	17
Delfan	3	2	10
Dorud	2	3	5
Rumeshkan	2	2	4
Selseleh	2	2	6
Kuhdasht	4	4	9
Mazandaran.....	57	61	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	2	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	2	5
Neka	2	1	5

1.5. BAKHSHEs, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1398 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Nur	3	5	9
Nushahr	2	3	6
Markazi	23	34	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	3	4
Komeijan	2	2	4
Mahallat	1	2	2
Hormozgan	39	46	85
Abumusa	2	1	2
Bastak	3	5	7
Bashagerd	3	2	6
Bandar Abbas	5	5	11
Bandar Lengeh	4	5	8
Parsiyan	2	3	4
Jask	2	2	5
Hajiabad	3	3	6
Khamir	2	3	4
Rudan	4	4	10
Sireek	2	3	4
Qeshm	3	5	7
Minab	4	5	11
Hamedan	26	31	75
Asadabad	2	2	6
Bahar	3	4	6
Tuyserkan	2	3	7
Dargazin	2	2	4
Razan	2	2	5
Famenin	2	1	4
Kabudarahang	3	3	10
Malayer	4	6	15
Nahavand	4	4	9
Hamedan	2	4	9
Yazd	21	21	45
Abarkuh	2	2	4
Ardakan	3	3	5
Ashkzar	2	2	2
Bafgh	1	1	3
Behabad	2	1	3
Taft	3	3	10
Khatam	2	2	4
Mehriz	1	1	5
Meybod	3	3	5
Yazd	2	3	4

1. Chahmahar was renamed Chahbahar

2. Doreh was renamed Chegeni.

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 1398

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 1398 (continued)**

Capital of Ostan	Air temperature (°C)					Average annual precipitation (mm)	Max. daily precipitation (mm)
	Average max	Average min	Mean	Absolut min	Absolute max		
Arak	21.0	7.2	14.1	-30.5	44.0	329.7	80.0
Ardebil	15.7	3.4	9.6	-33.8	40.4	280.3	63.0
Orumiyeh	18.0	5.5	11.7	-22.8	39.9	332.1	79.0
Esfahan	23.7	9.3	16.5	-19.4	43.0	123.9	48.0
Ahvaz	33.2	18.1	25.7	-7.0	54.0	202.1	107.0
Ilam	23.0	11.1	17.0	-13.6	42.0	573.7	282.0
Bojnurd	20.1	7.0	13.5	-25.0	42.3	254.2	54.3
Bandar Abbas	32.3	21.9	27.1	-2.0	51.0	173.9	211.0
Bushehr	28.8	21.8	25.3	-3.0	47.0	252.3	168.0
Birjand	24.7	8.5	16.6	-21.5	44.0	159.1	52.0
Tabriz	18.4	7.1	12.7	-25.0	42.0	280.6	63.0
Tehran	22.9	12.3	17.6	-15.0	43.0	229.6	50.4
Khorramabad	25.4	9.1	17.3	-14.6	47.0	498.4	94.0
Rasht	20.7	11.7	16.2	-19.0	40.0	1320.9	170.0
Zahedan	26.9	10.4	18.6	-22.0	43.4	85.9	52.0
Zanjan	18.4	4.3	11.4	-30.0	43.0	304.8	50.6
Sari	22.8	13.6	18.2	-6.0	42.6	722.1	112.0
Semnan	24.0	12.7	18.3	-12.6	44.0	137.2	45.7
Sanandaj	21.8	5.8	13.8	-31.0	44.0	426.3	73.0
Shahr-e-Kord	20.3	3.1	11.7	-32.4	42.0	311.4	88.8
Shiraz	25.9	10.0	17.9	-14.0	43.2	325.5	128.0
Qazvin	21.4	7.1	14.2	-24.0	43.0	310.3	50.0
Qom	26.0	10.9	18.5	-23.0	47.0	132.3	90.0
Karaj.....	21.6	9.1	15.3	-17.0	42.0	250.6	57.0
Kerman	25.0	7.2	16.1	-30.0	42.0	141.7	60.0
Kermanshah	23.0	6.3	14.7	-27.0	44.1	431.7	115.0
Gorgan	23.0	12.7	17.9	-11.8	46.2	563.4	147.0
Mashhad	21.5	7.7	14.6	-28.0	43.8	247.7	52.0
Hamedan	19.7	3.7	11.7	-32.8	40.0	308.7	79.0
Yasuj	22.7	7.7	15.2	-19.0	40.4	781.8	135.0
Yazd	26.8	12.2	19.5	-16.0	45.6	56.2	48.0

**1.6. METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS
FROM THE YEAR OF ESTABLISHMENT TO THE END OF THE YEAR 1398 (continued)**

Capital of Ostan	Mean of relative humidity (%)		Number of frosty days	Bright sunshine (hours)	Max. wind speed (mps)
	Max.	Min.			
Arak	62.8	30.4	87	2107.3	35
Ardebil	88.9	52.2	118	1955.3	37
Orumiyeh.... ..	78.0	40.7	107	2015.8	40
Esfahan	57.1	22.5	70	2538.1	32
Ahvaz	62.5	26.7	0	2006.2	35
Ilam	54.7	26.3	37	2799.4	40
Bojnurd	79.5	38.7	88	2422.8	45
Bandar Abbas	81.9	46.3	000	2364.0	30
Bushehr	79.5	53.6	000	2763.5	30
Birjand	52.3	20.8	73	2395.8	26
Tabriz	70.2	35.4	98	2195.2	38
Tehran	54.8	26.5	41	2834.3	32
Khorramabad.....	64.4	28.0	48	1960.4	30
Rasht	95.5	65.7	21	1221.2	31
Zahedan	48.6	18.1	51	2368.1	33
Zanjan	74.6	36.1	114	1841.9	28
Sari	92.1	59.4	7	1891.2	27
Semnan	53.0	28.5	42	2666.1	22
Sanandaj	69.7	28.0	98	2557.3	60
Shahr-e-Kord	66.7	28.3	124	2296.8	48
Shiraz	59.8	22.8	45	2720.1	30
Qazvin	73.0	31.9	86	1938.0	39
Qom	59.9	25.7	51	2089.6	30
Karaj.....	68.7	30.8	60	2855.0	30
Kerman	49.8	17.8	84	2425.9	50
Kermanshah	65.2	27.7	87	2239.4	50
Gorgan.....	86.1	52.9	15	1289.6	31
Mashhad	72.1	34.7	81	2511.0	25
Hamedan	73.6	33.2	117	2479.5	31
Yasuj	64.3	23.1	65	3113.2	30
Yazd	44.6	18.7	43	2079.9	30

Source: I. R. Iran Meteorological Organization.

1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1398

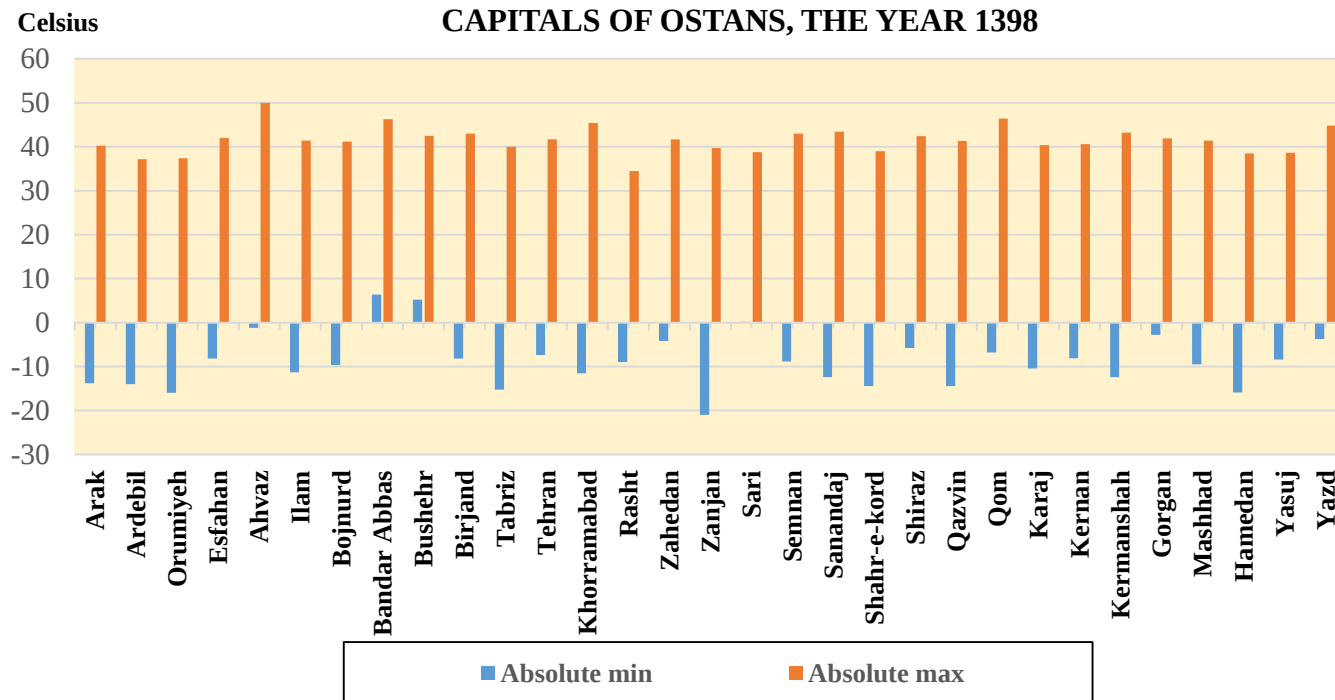
Capital of Ostan	Air temperature (°C)					Annual precipitation (mm)
	Average max	Average min	Mean	Absolut min	Absolut max	
Arak	22.0	8.0	15.0	-13.8	40.2	484.0
Ardebil	16.6	4.7	10.7	-14.0	37.2	244.3
Orumiyeh	18.8	5.5	12.2	-16.0	37.4	421.5
Esfahan	24.7	10.5	17.6	-8.2	42.0	141.8
Ahvaz	34.3	19.6	26.9	-1.2	50.0	351.3
Ilam	24.3	10.6	17.5	-11.3	41.4	759.6
Bojnurd	20.9	6.8	13.9	-9.6	41.2	314.3
Bandar Abbas	32.5	21.8	27.1	6.4	46.3	418.1
Bushehr	30.5	22.5	26.5	5.2	42.5	287.5
Birjand	25.0	9.1	17.1	-8.2	43.0	136.3
Tabriz	19.2	8.1	13.6	-15.2	40.0	241.1
Tehran	23.3	13.5	18.4	-7.4	41.7	379.7
Khorramabad.....	25.8	10.0	17.9	-11.5	45.4	783.8
Rasht	21.2	13.5	17.3	-9.0	34.5	1702.6
Zahedan	27.0	11.6	19.3	-4.2	41.7	135.8
Zanjan	19.5	4.9	12.2	-21.0	39.7	385.0
Sari	23.3	14.1	18.7	//	38.8	861.7
Semnan	24.3	13.6	18.9	-8.8	43.0	163.9
Sanandaj	23.0	7.1	15.0	-12.4	43.4	412.2
Shahr-e-Kord	21.2	2.0	11.6	-14.4	39.0	311.0
Shiraz	26.7	10.3	18.5	-5.8	42.4	415.2
Qazvin	22.3	7.6	14.9	-14.4	41.3	341.4
Qom	27.0	11.5	19.2	-6.8	46.4	234.8
Karaj.....	22.0	9.5	15.8	-10.4	40.4	418.9
Kerman	25.5	8.5	17.0	-8.1	40.6	128.9
Kermanshah	24.0	7.7	15.8	-12.4	43.2	685.8
Gorgan.....	24.4	12.5	18.4	-2.8	41.9	503.6
Mashhad	22.6	10.0	16.3	-9.5	41.4	305.5
Hamedan	20.1	4.4	12.3	-15.9	38.5	428.2
Yasuj	22.9	8.0	15.5	-8.4	38.6	865.2
Yazd	27.4	14.5	20.9	-3.7	44.8	100.1

1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1398 (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	58.0	66.0	29.9	45	57	2923.6	41
Ardebil	35.0	87.9	48.8	54	0	2608.0	20
Orumiyeh	45.0	77.4	39.7	52	000	2921.1	18
Esfahan	25.0	52.7	19.9	35	10	3315.2	18
Ahvaz	73.7	63.3	24.6	0	10	3247.3	10
Ilam	91.6	59.6	29.3	18	6	3166.0	15
Bojnurd	34.0	80.0	35.4	50	12	2864.0	12
Bandar Abbas	130.0	83.0	44.8	000	10	3208.3	11
Bushehr	68.0	74.8	51.1	000	19	000	11
Birjand	18.7	49.6	16.0	35	9	3494.1	16
Tabriz	32.0	67.7	35.1	40	2	2870.8	18
Tehran	43.0	52.5	24.2	7	2	3106.4	20
Khorramabad.....	85.4	67.0	27.2	19	8	3141.9	15
Rasht	120.0	95.2	63.3	2	000	1824.5	12
Zahedan	32.0	49.7	20.4	24	38	3314.5	16
Zanjan	23.0	78.9	37.7	57	2	2863.5	9
Sari	78.0	93.6	57.7	000	000	1967.0	11
Semnan	33.0	49.6	25.9	11	000	3108.6	14
Sanandaj	43.0	69.7	25.9	42	5	2984.6	14
Shahr-e-Kord	32.5	68.1	22.4	70	9	3246.3	14
Shiraz	53.0	61.2	19.7	25	8	3293.1	10
Qazvin	42.0	78.4	36.6	39	1	2962.6	11
Qom	39.0	61.2	26.0	20	16	3197.5	15
Karaj.....	46.0	73.0	33.1	25	5	3097.3	11
Kerman	27.0	41.3	11.2	39	9	3335.1	15
Kermanshah	115.0	62.9	21.4	34	4	2861.4	25
Gorgan.....	64.7	92.2	54.1	8	1	2317.4	14
Mashhad	30.0	69.8	31.5	28	3	2983.0	14
Hamedan	79.0	72.4	32.2	62	0	3045.1	15
Yasuj	111.0	64.7	20.5	37	5	3243.9	16
Yazd	20.0	42.0	19.7	6	25	3381.8	13

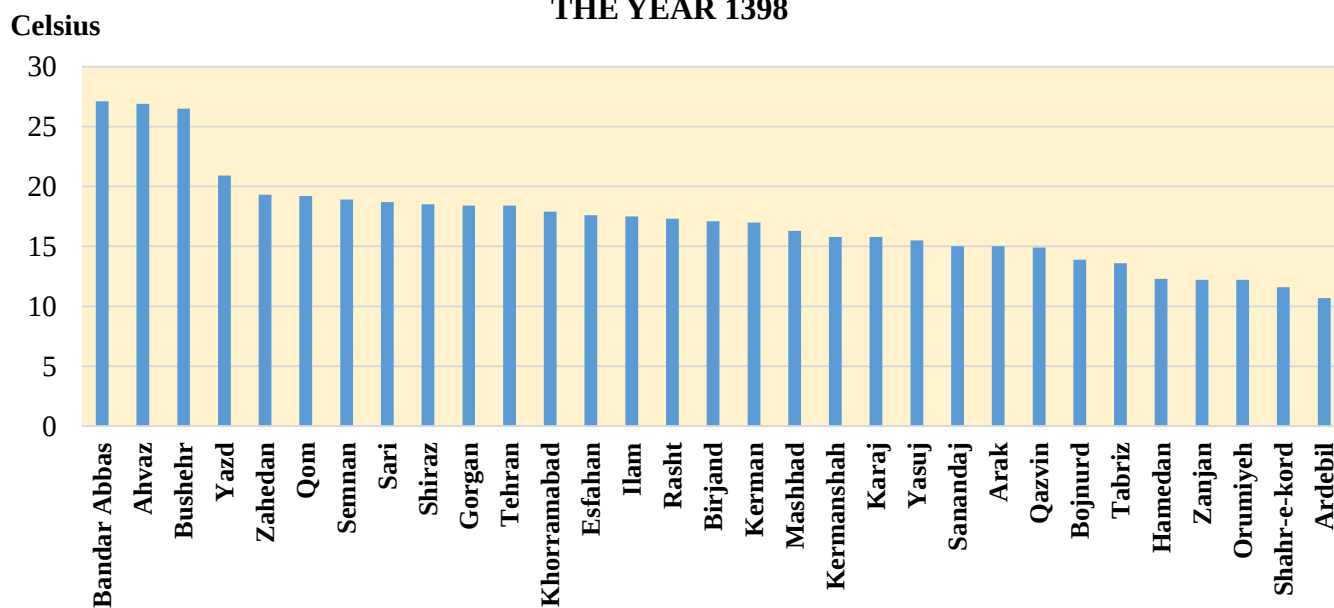
Source: I. R Iran Meteorological Organization.

1.2. ABSOLUTE MAXIMUM AND MINIMUM TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1398



For data see Table 1.7.

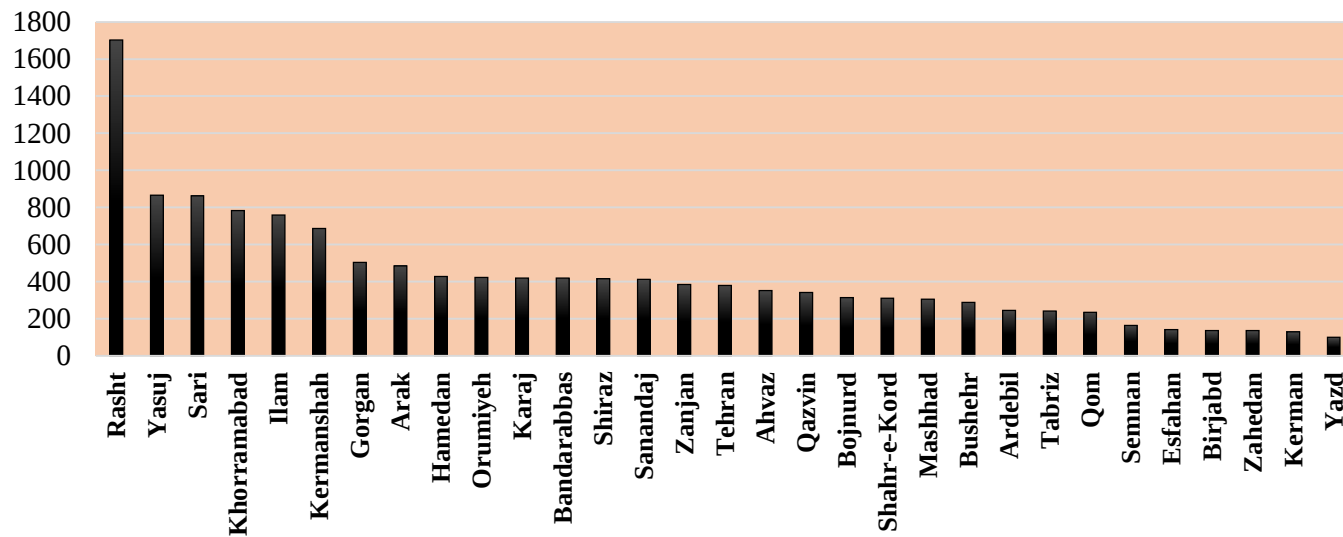
1.3. AVERAGE ANNUAL TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1398



For data see Table 1.7.

1.4. ANNUAL RAINFALL IN THE CAPITALS OF OSTANS, THE YEAR 1398

Millimetre



For data see Table 1.7.

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1398 (°C)

Capital of Ostan	Month								
	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	23.0	-0.8	9.9	28.2	0.0	15.7	36.0	10.4	24.1
Ardebil	25.2	-3.4	7.1	29.4	-5.0	12.1	32.4	3.4	17.7
Orumiyeh	23.0	-0.6	8.8	28.0	-0.8	13.6	33.4	9.1	21.8
Esfahan	25.4	2.0	14.1	30.2	4.2	19.4	37.8	12.4	26.7
Ahvaz	36.1	10.7	23.1	43.6	12.2	29.5	49.9	24.3	38.2
Ilam	24.0	-0.8	11.4	32.1	1.5	17.5	38.4	11.3	27.0
Bojnurd	24.6	-2.8	11.1	32.0	0.6	15.7	35.0	9.2	21.5
Bandar Abbas	36.8	16.6	24.9	38.3	20.1	29.3	46.3	24.9	34.4
Bushehr	35.5	14.0	24.4	36.7	17.1	27.8	42.5	24.5	34.0
Birjand	29.1	1.0	16.1	32.6	6.5	20.3	38.6	9.2	24.5
Tabriz	21.1	//	9.2	28.4	//	14.4	34.4	11.6	23.4
Tehran	25.6	1.0	14.5	31.0	1.8	20.6	38.6	14.2	27.9
Khorramabad.....	25.9	//	11.9	32.6	1.7	18.1	39.4	11.0	27.0
Rasht	25.4	4.2	12.4	32.4	4.4	18.7	32.2	15.8	24.8
Zahedan	32.2	6.5	20.1	34.8	9.2	23.2	37.2	13.6	27.4
Zanjan	21.9	-6.1	7.8	26.7	-3.8	12.9	33.9	5.2	20.9
Sari	28.6	5.0	14.1	37.0	6.8	20.1	35.2	15.6	26.2
Semnan	27.2	3.0	15.3	32.6	5.4	21.6	39.6	11.6	28.0
Sanandaj	23.4	-1.6	9.5	31.8	//	15.1	37.0	8.0	24.1
Shahr-e-Kord	20.7	-7.4	8.6	26.9	-6.0	12.9	33.1	//	19.9
Shiraz	26.4	3.0	14.8	32.0	4.0	20.1	39.8	14.0	28.1
Qazvin	25.6	-2.4	10.5	30.5	-2.4	15.6	37.1	9.1	23.6
Qom	30.6	1.0	14.6	34.9	1.6	20.6	42.0	14.8	28.6
Karaj.....	23.8	-2.4	12.0	29.6	-1.1	17.1	37.4	10.6	24.9
Kerman	28.9	3.5	15.5	31.9	5.3	19.3	38.1	10.4	25.5
Kermanshah	23.2	-1.5	10.4	31.7	-0.5	15.8	37.6	8.8	24.8
Gorgan.....	32.7	2.4	13.8	36.3	3.7	19.8	37.8	13.5	26.7
Mashhad	27.0	//	13.4	34.2	3.4	18.4	37.1	8.6	24.2
Hamedan	20.4	-4.8	8.0	27.7	-4.6	13.1	34.3	6.0	20.7
Yasuj	22.8	0.0	11.1	28.4	0.8	15.6	36.0	8.8	23.2
Yazd	31.4	6.7	18.9	34.3	7.7	23.5	42.2	14.2	20.0

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1398 (continued) (°C)

Capital of Ostan	Month								
	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	40.0	16.8	29.4	40.2	16.0	28.6	36.0	13.0	24.2
Ardebil	37.0	4.2	19.1	37.2	6.6	19.1	34.6	4.0	15.4
Orumiyeh	37.0	9.7	24.3	37.4	12.6	24.9	36.0	7.8	20.1
Esfahan	41.0	22.0	32.5	42.0	15.8	30.1	37.8	13.8	26.5
Ahvaz	49.3	27.1	38.9	50.0	26.8	38.9	48.6	21.5	36.3
Ilam	41.0	16.8	29.8	41.4	16.5	30.5	39.0	14.1	27.5
Bojnurd	41.2	10.0	26.9	39.2	9.0	25.1	37.6	7.8	21.1
Bandar Abbas	41.3	28.5	34.4	41.7	28.5	33.9	44.0	26.2	33.4
Bushehr	40.4	27.6	34.3	40.5	29.4	35.4	41.3	26.4	34.6
Birjand	40.6	14.2	30.1	43.0	11.1	28.1	37.4	11.1	24.7
Tabriz	40.0	14.0	26.9	38.8	16.1	27.4	38.9	10.4	22.6
Tehran	41.7	17.6	32.9	40.6	21.8	31.7	36.4	15.6	27.2
Khorramabad.....	45.4	16.8	30.6	44.6	18.2	31.5	41.5	12.7	27.4
Rasht	33.6	18.2	26.1	34.5	16.8	25.6	34.5	15.4	22.5
Zahedan	41.5	17.1	31.6	41.7	14.0	30.3	36.7	12.4	25.9
Zanjan	39.1	9.5	25.1	39.7	12.3	25.3	35.3	6.1	20.5
Sari	35.4	19.2	27.4	38.8	19.4	27.6	36.2	17.2	24.3
Semnan	43.0	21.8	34.6	43.0	21.0	32.8	38.0	18.8	28.1
Sanandaj	43.4	14.0	28.1	41.6	14.0	29.0	38.9	6.8	24.5
Shahr-e-Kord	36.9	8.5	25.5	39.0	5.3	24.4	33.9	3.4	20.3
Shiraz	41.8	17.4	32.4	42.4	16.6	31.1	39.2	12.8	28.1
Qazvin	41.3	11.8	28.2	40.8	14.6	26.8	37.7	9.4	22.5
Qom	46.4	21.1	33.3	44.8	18.4	31.8	41.5	15.2	26.8
Karaj.....	40.4	13.3	29.2	40.0	13.4	27.8	36.0	11.1	23.3
Kerman	40.4	16.3	30.7	40.6	11.6	28.1	38.0	10.0	25.2
Kermanshah	43.2	13.6	29.0	43.2	14.3	30.1	39.6	9.1	26.0
Gorgan.....	39.1	17.9	28.3	41.9	15.2	27.5	38.4	16.8	24.7
Mashhad	41.4	18.7	30.4	41.4	15.0	28.5	38.5	11.3	23.3
Hamedan	38.5	10.8	26.1	38.3	11.8	26.5	34.4	7.2	21.9
Yasuj	38.6	15.4	27.8	38.4	15.4	26.9	35.4	11.4	24.1
Yazd	43.7	25.8	35.9	44.8	19.1	33.2	40.3	17.9	29.5

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1398 (continued) (°C)

Capital of Ostan	Month								
	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	33.4	6.6	19.3	19.8	-2.4	7.8	15.6	-3.8	3.9
Ardebil	32.4	1.0	14.2	20.2	-5.0	6.2	16.4	-8.0	3.3
Orumiye	31.0	4.8	15.7	18.2	-5.0	6.9	16.6	5.0	2.6
Esfahan	36.0	8.6	21.8	23.8	-2.6	10.7	18.0	-2.8	5.9
Ahvaz	45.2	17.9	31.7	36.4	6.7	21.5	27.2	6.5	15.1
Ilam	34.2	11.1	22.7	25.3	-1.4	12.3	18.4	-1.3	7.4
Bojnurd	36.0	1.4	16.4	21.6	-6.2	7.6	20.2	-9.4	3.4
Bandar Abbas	39.6	22.5	31.1	37.7	10.9	24.9	29.7	9.9	19.9
Bushehr	38.0	24.6	32.6	37.7	12.1	26.4	28.8	11.5	20.1
Birjand	37.5	3.7	20.1	33.1	-6.7	11.6	20.3	-4.2	7.2
Tabriz	30.2	5.0	18.2	18.4	-5.2	8.3	13.8	-4.2	3.8
Tehran	35.2	12.8	22.9	20.8	0.8	11.7	16.0	1.8	7.5
Khorramabad.....	36.6	10.2	22.6	26.5	//	12.3	18.5	-1.5	7.2
Rasht	29.0	12.8	20.2	24.0	6.2	14.0	26.2	4.0	10.1
Zahedan	37.6	7.7	22.0	30.1	-3.1	13.9	21.8	-3.5	9.1
Zanjan	31.8	2.6	16.0	18.3	-7.7	6.4	13.7	-7.9	2.4
Sari	35.4	11.2	21.1	25.4	5.8	14.8	21.0	1.8	10.4
Semnan	36.0	12.2	23.4	21.8	1.8	12.5	16.0	//	7.3
Sanandaj	34.3	5.6	18.9	21.4	-4.4	9.1	15.7	-6.0	4.7
Shahr-e-Kord	31.3	0.8	15.7	21.0	-10.1	6.1	17.4	-10.5	1.5
Shiraz	37.4	9.2	23.5	29.0	-1.8	13.5	19.2	-2.0	8.4
Qazvin	35.2	7.0	18.6	19.5	-4.3	8.8	15.3	-3.4	4.8
Qom	40.5	8.2	21.8	24.8	-1.2	11.3	20.2	//	7.6
Karaj.....	35.1	9.5	19.5	18.9	-2.0	9.6	14.7	-0.7	6.0
Kerman	36.4	5.5	20.6	26.9	-7.3	11.5	21.3	-5.3	7.0
Kermanshah	35.5	6.6	20.9	25.4	-4.6	10.2	17.5	-5.0	5.9
Gorgan.....	35.5	8.2	20.8	26.9	3.7	13.7	22.5	-1.3	9.3
Mashhad	37.2	5.3	18.6	22.3	-2.2	9.5	18.0	-3.8	5.8
Hamedan	30.8	3.0	16.9	17.5	-8.9	5.8	14.1	-10.9	1.4
Yasuj	33.4	8.4	19.4	25.0	-1.6	9.5	17.4	-4.4	5.6
Yazd	38.2	13.0	25.0	28.3	0.0	13.2	20.4	1.0	9.0

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1398 (continued) (°C)

Capital of Ostan	Month								
	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	14.0	-6.6	1.7	16.8	-13.8	2.0	20.8	-4.2	8.1
Ardebil	15.2	-9.5	1.4	13.0	-14.0	-1.3	20.0	-7.6	5.8
Orumiyeh	13.0	-10.6	-0.7	13.0	-16.0	-2.6	19.0	-4.4	5.9
Esfahan	17.4	-6.0	4.2	18.4	-8.2	5.4	24.0	-1.2	11.6
Ahvaz	23.3	5.4	14.4	28.8	-1.2	13.7	30.6	8.6	19.2
Ilam	17.1	-4.0	5.1	19.2	-11.3	4.2	21.8	//	10.2
Bojnurd	19.2	-7.4	2.5	19.8	-9.6	2.3	23.0	-5.6	7.1
Bandar Abbas	28.3	6.4	17.1	32.1	7.5	18.1	30.3	8.8	21.8
Bushehr	25.6	9.6	18.1	27.5	5.2	16.8	28.9	13.4	20.7
Birjand	21.0	-7.6	3.9	22.5	-8.2	5.8	24.6	-5.5	10.8
Tabriz	15.4	-9.0	//	11.4	-15.2	-3.1	19.2	-4.2	6.7
Tehran	15.4	-1.8	5.4	18.6	-7.4	5.4	22.4	1.0	12.2
Khorramabad	17.2	-3.4	5.7	21.2	-11.5	5.1	23.9	0.8	10.9
Rasht	27.0	1.0	9.9	29.2	-9.0	8.2	24.4	2.4	10.2
Zahedan	19.9	-4.2	6.8	21.6	-2.8	9.2	27.5	-2.1	14.0
Zanjan	14.5	-10.2	//	12.5	-21.0	-1.7	19.8	-6.8	5.9
Sari	24.0	2.0	9.7	31.2	//	8.8	25.2	1.4	11.1
Semnan	15.6	-2.8	5.3	20.4	-8.8	5.4	24.6	0.6	12.4
Sanandaj	15.6	-7.2	2.5	16.4	-12.4	2.2	21.5	-2.0	8.5
Shahr-e-Kord	13.4	-13.6	0.8	19.0	-14.4	//	20.9	-10.8	5.8
Shiraz	17.8	-3.6	6.7	24.4	-5.8	7.0	24.8	-1.4	12.6
Qazvin	13.9	-6.4	2.5	17.8	-14.4	1.8	22.9	-3.6	8.5
Qom	20.1	-3.5	5.3	23.6	-6.8	6.1	28.1	0.7	12.3
Karaj.....	14.0	-4.9	3.9	18.8	-10.4	3.4	20.9	-2.3	10.0
Kerman	22.4	-7.4	5.1	22.3	-8.1	7.1	25.2	-6.3	11.1
Kermanshah	16.9	-6.5	4.4	18.5	-12.4	3.8	21.6	-1.0	9.8
Gorgan	24.0	-1.2	8.3	30.1	-2.8	7.7	25.0	//	10.9
Mashhad	21.8	-9.5	3.9	22.6	-4.6	4.9	25.2	-3.0	9.8
Hamedan	10.1	-12.0	//	14.8	-15.9	//	20.0	-7.2	6.1
Yasuj	15.8	-8.0	3.9	20.4	-8.4	3.3	22.0	-1.6	9.0
Yazd	23.3	-1.0	7.1	23.8	-3.7	8.7	28.0	1.6	15.2

Source: I. R. I. Meteorological Organization.

1.9. TOTAL PRECIPITATION IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1398 (mm)

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	216.1	13.8	//	0.0	0.0	0.0
Ardebil	43.4	30.4	14.3	//	0.0	17.9
Orumiyeh	137.5	57.8	6.2	0.5	//	3.4
Esfahan	73.5	7.2	//	//	//	0.0
Ahvaz	45.1	2.0	0.0	0.0	0.0	0.0
Ilam	181.2	10.3	0.0	0.0	0.0	0.0
Bojnurd	109.5	24.2	34.7	2.5	4.0	//
Bandar Abbas	87.6	//	0.0	0.0	0.0	0.0
Bushehr	23.5	0.0	0.0	0.0	0.0	0.0
Birjand	15.7	9.3	18.8	0.0	0.0	0.0
Tabriz	79.2	24.9	8.2	//	0.0	2.1
Tehran	105.7	6.2	5.3	0.0	0.0	0.0
Khorramabad.....	310.7	6.3	0.0	0.0	0.0	0.0
Rasht	133.7	71.7	3.1	159.0	23.3	235.4
Zahedan	10.8	19.2	1.2	0.0	0.0	0.0
Zanjan	84.4	81.7	5.9	2.4	//	//
Sari	66.7	61.6	1.0	56.2	19.0	42.7
Semnan	46.4	2.4	37.6	0.0	0.0	0.0
Sanandaj	142.8	21.7	4.6	0.0	2.0	0.0
Shahr-e-Kord	122.0	7.7	16.8	0.0	3.0	0.0
Shiraz	130.5	23.5	3.0	0.0	0.0	15.0
Qazvin	113.2	20.3	2.5	//	0.0	0.0
Qom	91.3	5.0	1.2	0.0	0.0	0.0
Karaj.....	92.6	12.5	2.8	0.0	0.0	0.0
Kerman	27.2	18.2	2.5	0.0	0.0	0.0
Kermanshah	182.4	12.9	0.0	0.0	0.0	0.0
Gorgan.....	65.6	51.8	3.9	25.0	4.0	21.8
Mashhad	127.8	35.3	21.2	15.0	0.0	0.0
Hamedan	188.5	6.1	0.8	0.0	0.9	0.0
Yasuj	340.5	3.6	8.2	0.0	//	0.0
Yazd	28.1	11.0	2.7	0.0	0.0	0.0

1.9. TOTAL PRECIPITATION IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1398**(continued)****(mm)**

Capital of Ostan	Month					
	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	20.5	47.9	40.3	24.0	16.2	104.9
Ardebil	51.9	19.1	3.1	22.7	25.7	15.6
Orumiyeh.....	24.4	1.4	45.8	47.4	48.8	48.1
Esfahan	1.2	13.6	22.2	5.3	0.7	17.3
Ahvaz	0.0	98.9	142.9	5.7	25.5	31.2
Ilam	4.8	43.7	142.3	61.3	61.9	253.9
Bojnurd	5.1	17.6	12.0	10.1	17.1	77.4
Bandar Abbas	19.3	37.2	59.6	170.8	43.4	0.0
Bushehr.....	0.0	89.9	111.5	38.9	7.6	16.0
Birjand	0.7	28.6	11.3	30.1	17.3	4.3
Tabriz	21.4	3.5	10.0	41.7	16.1	33.6
Tehran.....	2.3	101.5	24.5	26.7	15.5	92.0
Khorramabad.....	14.8	54.5	103.2	69.3	36.5	188.4
Rasht	87.8	308.5	228.1	153.6	206.8	91.7
Zahedan	9.7	1.5	33.4	53.0	7.1	0.0
Zanjan	24.9	43.1	29.4	25.7	34.6	52.5
Sari	77.1	232.7	26.6	44.9	131.9	101.5
Semnan	0.0	38.4	0.7	2.5	6.2	29.2
Sanandaj	24.4	37.1	30.8	43.0	27.3	78.5
Shahr-e-Kord	2.0	23.9	44.9	16.3	18.3	56.0
Shiraz	0.0	56.2	62.8	64.6	43.4	16.0
Qazvin	10.0	45.7	38.7	25.3	18.7	66.7
Qom	//	39.8	12.4	21.0	//	63.4
Karaj.....	4.9	103.6	302	38.2	16.6	117.5
Kerman	3.0	7.4	33.2	19.1	5.0	13.2
Kermanshah.....	116.7	52.5	112.2	16.4	26.4	166.3
Gorgan.....	57.4	112.2	7.8	12.0	84.0	58.0
Mashhad	2.3	17.9	8.4	41.7	9.3	26.7
Hamedan	15.8	38.1	55.6	13.6	10.8	97.9
Yasuj	5.1	100.7	136.6	90.8	65.5	114/0
Yazd	//	29.1	1.9	22.8	1.5	2.7

Source: I. R. I. Meteorological Organization.

**1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS, BY
THE YEAR 1398 (hour)**

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	176.5	273.2	332.8	346.3	327.8	337.7
Ardebil	163.0	265.1	298.3	340.5	326.2	216.2
Orumiyeh	198.9	288.8	361.2	392.6	360.9	318.3
Esfahan	236.0	302.7	344.5	351.2	357.5	350.1
Ahvaz	220.7	334.5	380.9	382.6	370.3	343.6
Ilam	184.8	303.5	366.8	387.8	355.9	339.8
Bojnurd	151.3	259.0	302.7	363.6	338.0	322.3
Bandar Abbas	186.5	318.0	348.1	302.9	270.6	307.6
Bushehr	000	000	000	000	000	000
Birjand	218.9	311.6	373.2	391.4	384.0	359.2
Tabriz	196.3	294.8	346.1	371.6	353.3	323.2
Tehran	207.3	301.1	363.2	363.4	344.0	338.3
Khorramabad	183.3	299.2	370.5	378.1	340.3	353.3
Rasht	95.0	219.4	302.1	259.4	228.0	122.5
Zahedan	207.8	279.5	335.4	351.4	315.6	338.5
Zanjan	178.5	285.2	361.8	377.9	344.7	338.6
Sari	131.5	200.3	272.4	202.4	184.2	160.3
Semnan	230.4	281.1	328.9	341.2	347.2	337.1
Sanandaj	179.2	283.6	374.2	382.2	323.6	332.6
Shahr-e-Kord	232.1	281.1	348.8	353.4	335.4	334.5
Shiraz	219.7	287.4	361.0	335.0	330.6	343.7
Qazvin	179.7	291.0	349.3	353.7	339.9	326.3
Qom	215.2	311.6	358.5	352.0	361.7	346.9
Karaj	207.5	302.6	332.8	351.8	336.1	343.8
Kerman	210.8	285.3	349.2	329.3	365.7	349.8
Kermanshah	155.8	280.2	351.0	370.5	327.3	326.7
Gorgan	129.8	228.0	293.1	197.9	224.4	217.3
Mashhad	165.7	262.2	325.5	379.3	376.9	343.9
Hamedan	208.6	282.4	370.9	379.6	313.4	342.5
Yasuj	213.7	282.1	351.6	353.8	334.0	348.8
Yazd	239.7	294.0	361.2	329.5	364.2	348.6

1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS, BY THE YEAR 1398 (continued) (hour)

Capital of Ostan	Month					
	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	257.3	195.9	137.1	144.2	200.9	193.9
Ardebil	240.6	151.9	131.1	134.9	168.5	171.7
Orumiyeh	263.4	223.3	109.1	101.8	141.2	161.6
Esfahan	283.2	213.2	164.2	206.3	261.3	245.0
Ahvaz	265.5	209.1	128.4	195.2	210.0	206.5
Ilam	275.4	242.1	148.6	180.3	182.3	198.7
Bojnurd	286.9	172.0	146.0	155.6	176.8	189.8
Bandar Abbas	257.8	240.8	224.0	253.5	251.3	247.2
Bushehr	000	000	000	000	000	000
Birjand	306.7	237.6	223.2	213.2	255.5	219.6
Tabriz	267.8	229.6	108.2	91.3	150.2	138.4
Tehran	271.3	183.1	145.9	176.6	205.4	206.8
Khorramabad.....	270.4	231.7	144.9	177.9	191.8	200.5
Rasht	126.3	103.4	74.0	80.5	126.0	87.9
Zahedan	272.8	249.9	231.7	212.1	258.2	261.6
Zanjan	270.0	173.6	106.7	121.6	124.2	180.7
Sari	153.1	127.9	140.4	132.0	156.4	106.1
Semnan	278.9	199.9	134.5	188.2	228.8	212.4
Sanandaj	278.8	218.1	133.9	141.1	166.7	170.6
Shahr-e-Kord	272.9	221.3	186.3	211.7	242.7	226.1
Shiraz	280.8	222.2	195.4	222.3	250.9	244.1
Qazvin	271.2	191.5	141.4	172.6	170.8	175.2
Qom	266.9	205.7	172.1	181.0	221.8	204.1
Karaj.....	278.7	187.8	154.3	184.7	204.7	212.5
Kerman	294.9	247.4	210.0	210.3	245.8	236.6
Kermanshah	262.7	220.8	116.4	141.1	141.4	167.5
Gorgan.....	217.3	156.4	160.9	155.8	193.5	143.0
Mashhad	277.5	171.4	145.2	148.5	192.5	194.4
Hamedan	273.9	199.7	123.4	170.9	189.3	190.5
Yasuj	282.9	192.3	201.7	212.9	238.9	231.2
Yazd	288.9	216.6	201.4	225.8	263.7	248.2

Source: I. R. I. Meteorological Organization.

1.11. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1398 (mps)

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	14	12	12	41	9	6
Ardebil	16	14	14	13	15	16
Orumiyeh	10	8	18	10	6	9
Esfahan	12	14	10	8	10	7
Ahvaz	10	7	9	7	7	7
Ilam	8	15	8	9	12	8
Bojnurd	10	8	8	10	10	9
Bandar Abbas	11	10	9	8	9	8
Bushehr	10	10	8	8	8	7
Birjand	12	12	9	16	15	10
Tabriz	11	18	12	13	12	12
Tehran	10	20	12	10	8	9
Khorramabad.....	15	10	8	8	11	9
Rasht	7	6	6	5	6	7
Zahedan	14	16	10	11	10	9
Zanjan	9	6	5	5	5	6
Sari	7	11	11	5	7	7
Semnan	14	10	14	10	9	10
Sanandaj	14	9	8	6	8	7
Shahr-e-Kord	12	9	8	7	8	6
Shiraz	8	8	8	7	9	7
Qazvin	10	9	8	10	8	7
Qom	12	10	13	9	8	8
Karaj.....	9	11	7	8	8	8
Kerman	14	14	12	11	10	10
Kermanshah	10	11	9	25	9	9
Gorgan.....	12	13	12	9	9	8
Mashhad	10	12	9	10	10	9
Hamedan	12	12	11	9	11	9
Yasuj	12	15	9	7	7	12
Yazd	13	8	10	8	8	6

1.11. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1398**(continued)****(mps)**

Capital of Ostan	Month					
	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	9	7	6	7	10	10
Ardebil	14	14	15	15	20	14
Orumiyeh....	6	6	5	7	8	7
Esfahan	18	6	6	6	14	12
Ahvaz	5	6	6	6	7	8
Ilam	7	7	5	8	8	10
Bojnurd	12	8	7	9	10	9
Bandar Abbas	9	7	7	8	11	9
Bushehr	9	11	9	7	7	8
Birjand	10	8	12	14	12	13
Tabriz	9	12	13	8	15	12
Tehran	12	10	9	11	12	12
Khorramabad.....	9	11	9	7	12	12
Rasht	6	7	8	12	9	6
Zahedan	11	8	10	13	14	13
Zanjan	5	5	5	6	7	5
Sari	6	5	7	7	9	6
Semnan	10	5	4	6	14	12
Sanandaj	10	8	7	7	12	9
Shahr-e-Kord	9	9	7	14	11	11
Shiraz	5	8	6	6	8	10
Qazvin	6	5	7	6	11	9
Qom	9	13	8	6	14	15
Karaj.....	8	7	6	7	11	8
Kerman	8	9	8	9	15	10
Kermanshah	10	9	8	9	10	13
Gorgan.....	10	13	10	6	14	10
Mashhad	8	8	9	7	14	10
Hamedan	10	6	8	8	15	14
Yasuj	8	16	8	6	8	9
Yazd	7	7	6	6	9	9

Source: I. R. I. Meteorological Organization.

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

Capital of Ostan	Year							
	1380	1385	1390	1394	1395	1396	1397	1398
Arak	260	283	199	285	374	168	526	484
Ardebil	234	237	259	297	230	232	303	244
Orumiyeh	228	372	334	277	286	244	515	422
Esfahan	94	220	150	96	71	90	154	142
Ahvaz	235	184	89	270	113	90	332	351
Ilam	598	555	361	842	449	559	1029	760
Bojnurd	176	241	209	227	276	121	301	314
Bandar Abbas	85	277	58	152	149	83	118	418
Bushehr	488	224	124	273	80	233	358	288
Birjand	145	135	95	144	97	67	197	136
Tabriz	210	129	272	287	263	315	364	241
Tehran	192	227	316	209	194	160	272	380
Khorramabad.....	440	510	286	536	563	332	889	784
Rasht	1262	1476	1637	1388	1479	864	1084	1703
Zahedan	14	55	47	104	55	30	52	136
Zanjan	232	308	366	283	230	216	307	385
Sari	591	684	919	725	824	540	888	862
Semnan	73	177	176	108	128	67	178	164
Sanandaj	310	449	373	444	317	337	551	412
Shahr-e-Kord	334	413	240	310	317	150	336	311
Shiraz	317	305	274	272	284	172	244	415
Qazvin	232	325	424	314	297	292	332	341
Qom	125	111	123	112	139	94	205	235
Karaj.....	351	302	351	221	211	170	353	419
Kerman	119	134	108	110	98	35	101	129
Kermanshah	357	430	415	513	457	342	692	686
Gorgan.....	468	522	724	478	491	424	647	504
Mashhad	153	223	254	183	287	186	238	306
Hamedan	225	283	313	216	344	208	519	428
Yasuj	1126	777	661	611	533	356	1055	865
Yazd	60	44	22	38	24	24	70	100

Source: I. R. I. Meteorological Organization.

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

Ostan	Year								Long term
	1380	1385	1390	1394	1395	1396	1397	1398	
Total country...	195.98	147.68	205.92	221.3	233.2	232.3	323.5	312.8	306.5
East Azarbayejan	206.66	204.80	295.60	326.4	279.0	315.1	262.7	234.1	256.1
West Azarbayejan	278.78	289.83	407.57	391.8	319.2	244.3	434.4	317.4	379.1
Ardebil	291.21	195.15	378.85	378.3	338.2	231.8	248.8	243.1	297.2
Esfahan.....	136.10	127.90	144.56	121.8	128.9	90.1	224.4	176.3	169.4
Alborz	000 ⁽¹⁾	000 ⁽¹⁾	000 ⁽¹⁾	388.9	403.9	170.2	191.3	308.8	246.4
Ilam	432.08	245.55	262.11	562.2	430.5	559.0	614.9	525.4	437.5
Bushehr	457.87	174.04	124.28	264.7	268.6	233.0	256.9	259.2	246.3
Tehran	235.47 ⁽¹⁾	185.01 ⁽¹⁾	380.99 ⁽¹⁾	263.7	307.0	160.1	358.2	350.2	308.0
Chaharmahal & Bakhtiyari	670.53	432.25	488.99	500.0	549.5	150.2	386.6	418.6	505.3
South Khorasan	000 ⁽²⁾	36.53	99.10	85.6	94.4	67.2	129.5	121.4	113.7
Khorasan-e-Razavi	114.95 ⁽²⁾	86.85	198.34	137.1	212.9	185.9	176.1	204.1	188.7
North Khorasan	000 ⁽²⁾	185.51	300.66	257.3	282.6	121.4	207.4	229.5	228.6
Khuzestan.....	360.70	195.36	179.27	347.2	244.6	89.9	428.5	262.4	287.4
Zanjan	237.74	211.37	383.55	295.7	280.4	216.2	145.1	224.2	278.9
Semnan	110.04	105.22	156.36	111.3	131.8	67.1	186.2	189.2	129.0
Sistan & Baluchestan	31.95	48.78	74.10	71.0	92.8	30.1	58.3	130.5	91.0
Fars	305.62	205.79	226.74	246.3	374.2	171.9	211.3	274.2	264.0
Qazvin	330.04	266.95	422.24	282.0	283.2	292.4	299.2	323.0	290.6
Qom	107.95	99.01	141.74	117.4	173.7	93.6	155.8	223.4	137.2
Kordestan	399.62	309.74	472.39	473.9	392.5	336.8	484.4	442.1	457.9
Kerman.....	93.08	58.79	79.30	122.8	135.1	34.8	38.7	82.2	124.0
Kermanshah	370.12	285.22	432.58	575.4	472.8	341.8	510.0	399.0	399.7
Kohgiluyeh & Boyerahmad...	712.05	286.45	426.15	471.3	386.1	356.2	621.8	431.7	523.2
Golestan	382.98	302.73	567.95	547.5	557.6	424.4	470.0	422.6	434.0
Gilan	1057.41	897.20	1231.13	977.2	1011.6	863.7	623.8	850.7	1026.9
Lorestan	405.97	336.20	331.13	601.3	591.8	331.5	620.5	557.2	436.7
Mazandaran	774.84	570.26	909.19	722.4	774.5	539.9	712.2	770.0	771.5
Markazi	193.89	190.95	238.27	257.1	314.6	167.7	378.1	331.1	252.9
Hormozgan	105.33	93.91	73.51	184.2	192.0	83.1	111.5	249.3	145.5
Hamedan	271.51	248.53	35.89	354.9	395.4	207.5	416.4	424.8	321.7
Yazd	76.19	46.52	60.31	68.7	59.1	23.7	64.6	78.0	64.2

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. AVARAGE PRECIPITATION HEIGHT RATIO IN OSTANS
IN THE YEAR 1398 TO THE LONG – TERM AVERAGE



Millimeter

For data see Table 1.13.

- 0.66-0.90
- 0.91-1.15
- 1.16-1.30
- 1.31-1.71

1.14. AREA AND OVERLAND FLOW COEFFICIENT OF MAIN BASINS

Main basin	Area (1000 km ²)	Coefficient of overland flow, the 50-year average (1347-1397)(%) ⁽¹⁾
Total country	1622 .6	000
Caspian Sea	174 .6	000
Persian Gulf and Oman Sea	424 .5	000
Lake Orumiyeh	51 .8	000
Central Plateau	824 .4	000
Eastern Border	103 .2	000
Qareh Qum	44 .2	000

1. Not available. The pattern of the table is being revised.

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 50-year average (from the years 1347-1348 through 1396-1397)	402.243	74.851	153.966	17.705	134.954	11.104	9.742
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
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
1396-97	277.640	69.870	89.950	21.200	86.150	4.170	6.300
1397-98	555.091	99.662	227.405	25.589	176.422	12.415	13.711

Source: Ministry of Energy.

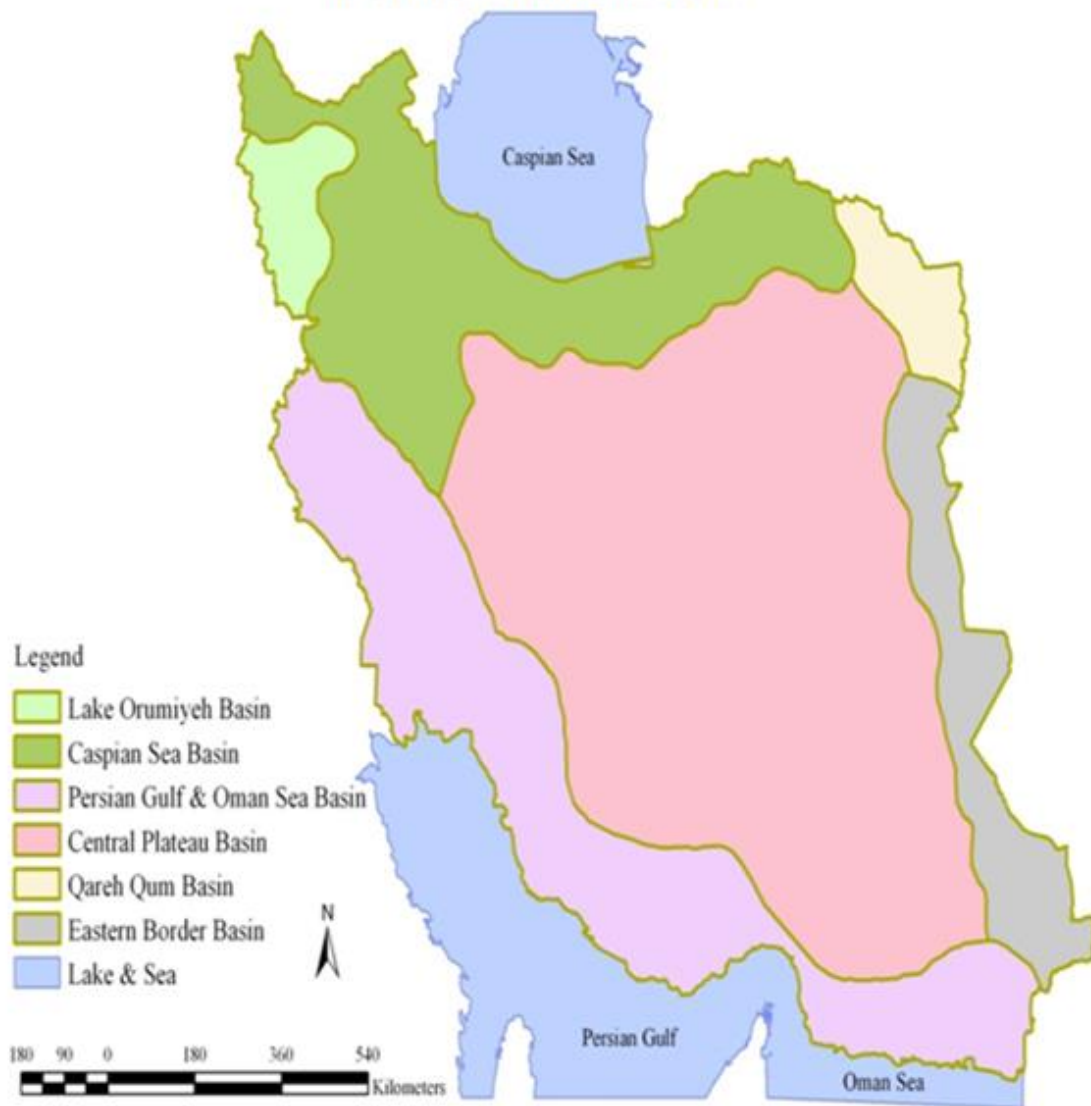
1.16. ESTIMATED VOLUME OF OVERLAND FLOWS OF THE MAIN BASINS (bln m³)

Aquatic year	Total country	Caspian Sea	Persian Gulf &Oman Sea	Lake Orumiyeh	Central Plateau	Eastern Border	Qareh Qum
The 50-year average (from the years 1347-1348 through 1396-1397) ⁽¹⁾	000	000	000	000	000	000	000
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
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
1396-97 ⁽¹⁾	000	000	000	000	000	000	000
1397-98	000	000	000	000	000	000	000

1. Not available. The pattern of the table is being revised.

Source: Ministry of Energy.

1.6.MAIN BASINS OF IRAN



For data see Table 1.14.