Introduction

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

1. Geographical characteristics and administrative divisions

Iran has an area of 1.6 million km2. It lies between latitudes 25° and 40°, and longitudes 44° and 63° East.

Iran's land is generally mountainous and semi-arid, and its average height is over 1200 meters above sea level.

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

Administratively, the country is divided into several Ostans, each Ostan into several Shahrestans, and each Shahrestan into some districts and each district into some Dehestans.

The highlands of Iran can be divided into four mountain ranges: northern, western, and eastern ranges. The northern mountain ranges extend from Ararat Mountain in Türkiye to the Hindu Kush Mountains in Afghanistan, including Alamdar, Sahand, Sabalan, Talesh, Qaflan Kuh mountains in Azerbayejan, the Alborz mountain ranges north of Tehran and south of Mazandaran and Gilan Ostans, Ala Dagh, Binalud, Hezar Masjed, and Qarah Dagh in Khorasan Ostan in eastern Iran, and then join the Hindu Kush mountains in Afghanistan.

The mountain ranges in the west, which extend from Ararat mountain to the northwest and southeast of the country, cover Sari Dash, Chehel Cheshmeh, Panjeh Ali, Alvand, Bakhtiyari mountains, Pish Kuh, Posht Kuh, Oshtoran Kuh, Zard Kuh and Dena, which primarily form the Zagros ranges. The highest peak of this range is Dena, with a height of approximately 4409 meters.

The largest Iranian islands, mainly located in the Persian Gulf and Hormuz Strait, are Qeshm, Kish, Lavan, Larak, Hormuz, Hengam, Kabudan, Ashk (Lake Urmia), Faroor Bozorg (Greater Faroor), Hendurabi, Khark, Minou, Siri, Khan, Abu Musa, Espir (Lake Urmia), Tonb Bozorg (Greater Tonb), Morghi, Kharku, Arezoo (Lake Urmia), Faroor Kuchak (Lesser Faroor), and Tonb Kuchak (Lesser Tonb).

The Caspian Sea (the world's largest lake) lies in the north of Iran and connects Iran to European countries through Russian waterways. The water of most 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, Anzali Lagoon, Howz-e-Sultan, Parishan, and Zarivar of Marivan.

2. Climate

Due to its vast area, numerous mountains, desert regions, and proximity to two large seas in the north and south, as well as its location near Europe, the Mediterranean Sea, the African Sahara Desert, the Indian Ocean, the Asian interior highlands, and large cold regions, Iran experiences a highly diverse climate. The influence of distance from the sea, specifically proximity and remoteness, is evident when comparing the high rainfall, lush vegetation, and densely populated areas around the Caspian Sea with the sparsely inhabited arid deserts in central Iran. The orientation of mountain ranges, whether facing or parallel to the wind and air currents, significantly impacts climate patterns. A notable difference in rainfall and vegetation exists between the slopes exposed to and sheltered from humid winds.

The country generally features three distinct 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 a register-based method.

Definitions and concepts

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

Bakhsh (county): It refers to an administrative division with a certain geographical boundary, formed from a few neighboring Dehestans and their adjacent fields, places, Roostas (hamlets), and possibly Shahrs (cities), which enjoy homogeneous natural, social, cultural, economic and political conditions.

Shahr (city/town): Each of the regions according to the approval of the Cabinet, is known as a city which has a municipality**.**

Dehestan (rural agglomeration): It refers to 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 the environment, and economic and social conditions that allow for providing public services and planning within a single system and network.

Synoptic stations (simultaneous meteorological reporting stations): It refers to the stations that are obliged to measure and prepare atmospheric parameters 24 hours a day simultaneously all over the world based on the rules and regulations of the World Meteorological Organization and send them through telecommunication networks.

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

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

Relative humidity: This refers to the percentage ratio of available water vapor at a specific temperature or the amount of water vapor that air can preserve at that temperature.

Sunshine hours: It refers to the total hours in a day (by hour and minutes) during which the sun shines in the sky.

The average height of precipitation: It refers to the average amount of precipitation (in millimeters) in the water basin area during a specific period of time.

Water basin**:** his is an area where surface run-off flows along a specific path and is collected at a drainage point.

Aquatic year: It refers to the measurement of precipitation over a twelve-month period for a specific area, starting from the first day of the month of Mehr to the end of the month of Shahrivar of the following year in Iran.

Volume of overland flow: To estimate the volume of overland flow in each of the country's main basins, 42 rivers have been selected as indicators and representatives of the overland flow. These rivers collectively account for over 60 percent of the national total overland flow volume. The calculation of the flow volume involves the application of a specific coefficient.Selected information.

Selected information

The total length of Iran's borderlines is 8640 kilometers, out of which the longest borderline is with the south waters, measuring 2106 kilometers.

The shortest border is with Iran-Armenia, which is 45 kilometers long.

Sistan & Baluchestan, Kerman, South Khorasan, Fars, Khorasan-e-Razavi and Esfahan were among the largest Ostans in the country, respectively. According to the information in the year 1398, each has an area of more than 100,000 km^2. Tehran Ostan, with an area of about 13.5 thousand km^2, ranks 29th among the nation's Ostans.

In the year 1402, Iran has 31 Ostans (provinces), 482 Shahrestans (sub-provinces), 1186 Bakhshes (counties), 1451 Shahrs (cities), and 2768 Dehestans (rural agglomerations).

In the year 1402, the highest and lowest average temperatures in Ostans' capitals are for Bandar Abbas with 28.0°C and Ardebil with 11.8°C, respectively. Furthermore, Ahvaz with 50.8°C and Ardebil with –16.8°C have the highest maximum and the lowest minimum temperature among the capitals of the Ostans, respectively. Furthermore, in the mentioned year, the highest annual precipitation of the country belongs to Rasht and Sari, which amounted to 1313.0 and 766.40 mm, respectively, and Bushehr and Kerman with 11.1 and 50.6 mm, respectively had the lowest annual precipitation amongst all Ostans' capitals.

In the year 1402, the maximum number of frosty days go to Shahr-e-Kord with 143 days, Hamedan with 96 days, and Orumiyeh with 90 days, but Ahvaz, Bandar Abbas, and Bushehr experienced no frosty day.

The volume of precipitation in the national main basins during the aquatic year of 1401-1402 was approximately 345 billion m^3. The share of each basin is as follows: the Caspian Sea, 68 billion m^3; the Persian Gulf and the Oman Sea, 147 billion m^3; the Lake of Orumiyeh, 16 billion m^3; Central Plateau, 103 billion m^3; Eastern border, 7 billion m^3; and Qareh Qum,4 billion m^3.

1.1. LENGTH OF IRANIAN BORDERLINES, THE YEAR 1402 (km)

Description	Borderline length
Total	***8640.0***
Iran-Iraq borderline	1608.0
Iran- Türkiye 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 1402

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
1385	336	889	1015	2400
1390	400	994	1166	2507
1395	429	1058	1246	2589
1398	448	1101	1361	2638
1399	457	1126	1395	2674
1400	470	1161	1428	2723
1401	478	1172	1433	2745
1402	***482***	***1186***	***1451***	***2768***

Source: Ministry of the Interior.

1.4. GENERAL CHARACTERISTICS OF OSTANS ACCORDING TO THE ADMINISTRATIVE DIVISIONS AT THE END OF THE YEAR 1402

Ostan	Capital of Ostan	Area [1] (sq km)	Number of Shahrestans	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Total country	××	***1630972.50***	***482***	***1186***	***1451***	***2768***
East Azarbayejan	Tabriz	45468.86	22	50	72	149
West Azarbayejan	Orumiyeh	37542.95	20	46	48	120
Ardebil	Ardebil	17875.54	12	31	35	75
Esfahan	Esfahan	107116.09	28	55	114	133
Alborz	Karaj	5182.03	7	14	18	31
Ilam	Ilam	20164.11	12	30	28	57
Bushehr	Bushehr	22896.07	10	27	41	52
Tehran	Tehran	13538.43	16	35	49	73
Chaharmahal & Bakhtiyari	Shahr-e-Kord	16251.89	12	29	43	56
South Khorasan	Birjand	152018.28	11	28	31	66
Khorasan-e-Razavi	Mashhad	119063.87	34	83	96	180
North Khorasan	Bojnurd	28371.68	10	22	25	49
Khuzestan	Ahvaz	64526.16	30	71	90	147
Zanjan	Zanjan	21733.12	8	19	21	50
Semnan	Semnan	97750.92	8	16	21	33
Sistan & Baluchestan	Zahedan	182312.13	26	68	55	145
Fars	Shiraz	122199.36	37	97	124	222
Qazvin	Qazvin	15594.92	6	19	28	46
Qom	Qom	11454.75	3	7	7	13
Kordestan	Sanandaj	29201.32	10	31	33	86
Kerman	Kerman	181152.28	25	65	85	164
Kermanshah	Kermanshah	25186.86	14	34	35	87
Kohgiluyeh & Boyerahmad	Yasuj	15474.65	9	22	20	50
Golestan	Gorgan	20477.23	14	27	37	60
Gilan	Rasht	13988.14	17	46	56	113
Lorestan	Khorramabad	28090.74	12	36	33	90
Mazandaran	Sari	23719.23	22	59	64	135
Markazi	Arak	29196.19	12	24	34	67
Hormozgan	BandarAbbas	71228.63	13	43	52	92
Hamedan	Hamedan	19372.20	10	27	33	76
Yazd	Yazd	73823.83	12	25	23	51

1. Referring to land area.
Source: Ministry of the Interior.

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1402

Ostan and Shahrestan	Bakhshes Number of	Number of Shahrs	Number of Dehestans
Total country	***1186***	***1451***	***2768***
EastAzarbayejan	***50***	***72***	***149***
Azarshahr	3	4	7
Osku	2	3	5
Ahar	2	1	7
Bostanabad	2	3	9
Bonab	1	2	3
Tabriz	3	6	7
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
Leylan	2	1	4
Maragheh	2	2	6
Marand	3	6	10
Malekan	2	2	4
Miyaneh	4	5	17
Varzaqan	2	2	7
Haris	2	6	6
Hashtrud	2	2	7
Hurand	2	1	4
West Azarbayejan	***46***	***48***	***120***
Orumiyeh	5	5	20
Oshnaviyeh	2	2	4
Barug	2	1	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
Chaharborj	2	1	4
Khoy	5	6	12
Sardasht	2	3	4
Salmas	2	2	7
Shahindezh	2	3	5
Shout	2	3	4
Maku	2	2	5
Mahabad	2	3	5
Miandoab	2	2	7
Mirabad	2	1	4
Naqadeh	2	2	4
Ardebil	***31***	***35***	***75***
Ardebil	3	4	10
Aslanduz	2	2	4
Ungut	2	2	4

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1402 (continued)

Ostan and Shahrestan	Bakhshes Number of	Number of Shahrs	Number of Dehestans
Bilehsavar	2	2	4
Parsabad	3	4	6
Khalkhal	3	3	8
Sareyn	2	2	4
Kowsar	2	2	4
Garmi	2	2	7
Meshkinshahr	5	7	12
Namin	3	3	7
Nayer	2	2	5
Esfahan	**55**	**114**	**133**
Aran & Bidgol	2	4	3
Ardestan	3	3	7
Esfahan	1	4	7
Borkhar	2	7	4
Buin and Miyandasht	2	2	5
Tiran & Karvan	2	3	4
Jarqavieh	2	4	4
Chadegan	2	2	4
Khomeinishahr	1	4	3
Khansar	1	2	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	2	2	5
Falavarjan	3	11	6
Kashan	4	7	9
Kuhpayeh	1	3	4
Golpayegan	1	3	3
Lenjan	3	9	7
Mobarakeh	2	7	5
Harand	2	2	4
Naeen	2	3	5
Najafabad	2	6	5
Natanz	2	4	5
Varzaneh	2	1	4
Alborz	***14***	***18***	***31***
Eshtehard	2	2	4
Cheharbag	2	1	4
Savojbalagh	2	4	4
Taleghan	2	1	4
Fardis	2	2	4
Karaj	2	6	6
Nazarabad	2	2	5
Ilam	***30***	***28***	***57***
Abdanan	3	3	6
Ilam	2	2	4
Ivan	2	2	4
Badreh	2	2	5
Chardavel	4	4	7

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1402 (continued)

Ostan and Shahrestan	Bakhshes Number of	Number of Shahrs	Number of Dehestans
Chavar	2	1	4
Darrehshahr	2	2	4
Dehloran	5	5	9
Sirvan	2	1	4
Malekshahi	2	3	4
Mehran	2	2	2
Holeylan	2	1	4
Bushehr	***27***	***41***	***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	4	4
Genaveh	2	2	2
Tehran	***35***	***49***	***73***
Eslamshahr	3	3	6
Baharestan	2	3	4
Pakdasht	2	3	6
Pardis	3	4	6
Pishva	2	2	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 & Bakhtiyari.	***29***	***43***	***56***
Ardal	2	4	4
Borujen	3	6	5
Bon	2	3	4
Khan Mirza	2	1	4
Saman	2	2	4
Shahr-e-Kord	2	8	4
Farsan	3	7	5
Felard	2	1	4
Farokhshahr	2	1	3
Kuhrang	3	3	7
Keyar	3	4	6
Lordegan	3	3	6
South Khorasan	***28***	***31***	***66***
Boshroye	2	2	4
Birjand	1	1	6
Khosaf	2	2	5
Darmiyan	4	4	8

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1402 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Zeerkooh	3	3	6
Sarayan	2	3	4
Sarbisheh	3	3	6
Tabas	3	3	8
Ferdows	2	3	3
Qayenat	3	5	8
Nahbandan	3	2	8
Khorasan-e-Razavi	***83***	***96***	***180***
Bakharz	2	2	4
Bajestan	2	2	4
Bardeskan	3	3	6
Torgabeh Shandiz	2	2	4
Taybad	2	3	4
Torbat-e-Jam	4	5	9
Torbat-e-Heydariyeh	4	5	8
Joghatay	2	2	4
Jovin	2	2	4
Chenaran	3	3	6
Khalil Abad	2	2	4
Khaf	4	6	8
Khooshab	3	3	6
Davarzan	2	2	4
Dargaz	4	4	7
Rashtkhar	2	2	4
Zaveh	2	2	4
Zebarkhan	2	4	4
Sabzevar	2	2	7
Sarakhs	2	2	6
Sheshtamad	2	2	4
Saleh Abbad	2	2	5
Fariman	2	4	5
Firooze	2	3	4
Quchan	4	5	5
Kashmar	2	2	6
Kalat	3	4	6
Koohsorkh	2	1	4
Golbahar	2	2	4
Gonabad	2	4	4
Mashhad	3	3	11
Mah-Velat	2	2	4
Miyan Golgeh	2	1	4
Neyshabur	2	3	7
North Khorasan	***22***	***25***	***49***
Esfarayen	2	1	5
Bojnurd	2	3	5
Bam Va Safiabad	2	1	4
Jajarm	3	3	5
Raz & Jargalan	3	3	6
Samalqan	2	3	4
Shirvan	3	5	9
Faruj	2	2	5
Garmeh	1	3	2
Maneh	2	1	4
Khuzestan	***71***	***90***	***147***
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 1402 (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	2	1	7
Baghmalek	3	3	7
Bavi	2	3	4
Bandar-e-Mahshahr	2	3	1
Behbahan	3	4	6
Hamidiyeh	2	1	4
Khorramshahr	2	3	4
Dezpart	2	1	4
Dezful	4	12	11
Dasht-e-Azadegan	2	4	5
Ramshir	2	2	4
Ramhormoz	4	4	8
Shadegan	3	3	8
Shush	2	3	4
Shushtar	3	5	6
Seydoun	2	1	4
Karoun	2	1	4
Karkheh	2	2	4
Gotvand	2	5	4
Lali	2	2	4
Masjed Soleyman	3	3	6
Haftgol	2	2	3
Hendijan	2	2	4
Hovayzeh	2	2	4
Zanjan	***19***	***21***	***50***
Abhar	1	3	5
Ijerud	2	2	4
Khodabandeh	5	7	11
Khorramdarreh	1	1	2
Zanjan	3	3	13
Soltaniyeh	2	1	4
Tarom	3	2	6
Mahneshan	2	2	5
Semnan	***16***	***21***	***33***
Aradan	2	2	4
Damghan	2	4	6
Sorkhe	2	1	4
Semnan	1	1	1
Shahrud	3	6	7
Garmsar	2	2	3
Mehdishahr	2	3	3
Mayamee	2	2	5
Sistan & Baluchestan	***68***	***55***	***145***
Iranshahr	3	2	6
Bampour	2	3	4
Taftan	3	1	6
Chabahar	3	2	5
Khash	3	3	8
Dashtiyari	2	2	4

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1402 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Delgan	2	2	6
Rask	3	3	6
Zabol	2	2	4
Zahedan	3	3	6
Zarabad	2	1	4
Zahak	3	2	6
Saravan	3	5	7
Sarbaz	4	1	8
Sibsavaran	3	3	6
Fonuch	2	2	4
Qaser-e Qand	3	2	6
Konarak	2	1	4
Golshan	2	1	4
Lashar	2	1	4
Mehrestan	3	2	6
Mirjave	3	3	7
Neekshahr	3	3	9
Neemrooz	3	1	6
Hamoon	2	2	4
Hirmand	2	2	5
Fars	**97**	**124**	**222**
Abadeh	2	5	5
Arsanjan	1	1	3
Estahban	2	3	3
Eqlid	3	4	8
Oz	2	3	4
Bakhtegan	2	3	4
Bavanat	2	2	4
Beyza	2	1	4
Pasargad	2	2	4
Jahrom	3	3	7
Joyum	2	1	4
Kharameh	2	4	5
Khorrambid	2	2	3
Khafr	2	2	6
Khonj	2	2	4
Darab	5	6	12
Rostam	2	2	4
Zarghan	2	3	4
Zarrindasht	2	3	5
Sepidan	2	2	5
Sarchehan	3	3	6
Sarvestan	2	2	4
Shiraz	3	4	10
Farashband	2	3	4

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1402 (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	4	4
Kuhchenar	2	2	4
Grash	2	2	4
Larestan	4	7	9
Lamerd	5	6	10
Marvdasht	5	8	15
Mamasani	4	3	10
Mohr	4	6	8
Neyriz	3	3	6
Qazvin	**19**	**28**	**46**
Abyek	2	4	5
Avaj	2	2	5
Alborz	2	4	4
Boyinzahra	4	6	9
Takestan	4	5	9
Qazvin	5	7	14
Qom	7	7	13
Jafar Abad	2	2	4
Kahak	2	1	4
Qom	3	4	5
Kordestan	**31**	**33**	**86**
Baneh	4	4	8
Bijar	3	5	11
Dehgalan	2	2	5
Divandarreh	3	3	8
Sarvabad	2	2	8
Saqqez	4	3	11
Sanandaj	4	3	12
Qorveh	4	5	10
Kamyaran	2	2	7
Marivan	3	4	6
Kerman	**65**	**85**	**164**
Arzooeyeh	2	2	5
Anar	1	2	2
Baft	2	3	6
Bardsir	4	5	8
Bam	3	2	6
Jaz Murian	2	1	4
Jiroft	5	5	15
Rabar	2	2	4
Ravar	2	2	3
Rafsanjan	4	6	14
Rudbar-e-Jonub	2	1	4
Reegan	2	4	4
Zarand	2	5	11
Sirjan	5	7	10
Shahr-e-Babak	2	5	9
Anbarabad	2	3	7

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1402 (continued)

Ostan and Shahrestan	Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs
Faryab	2	2	4
Fahraj	2	2	4
Ghaleh-Ganj	3	3	7
Gonbaki	2	1	4
Kerman	6	13	16
Kohbonan	2	2	3
Kahnuj	2	3	5
Manujan	2	2	5
Narmashir	2	2	4
Kermanshah	***34***	***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	3	1	8
Sonqor	3	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	***22***	***20***	***50***
Basht	2	2	4
Bahmaee	3	3	6
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***	***37***	***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	3	4
Gorgan	2	4	5
Gomishan	2	2	4
Gonbad-e-Kavus	2	3	6
Marave-Tapeh	2	2	4
Minudasht	2	3	4
Gilan	***46***	***56***	***113***
Astara	2	2	4
Astane-ye-Ashrafiyeh	2	2	6
Amlash	2	2	5
Bandar Anzali	1	1	2

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1402 (continued)

Ostan and Shahrestan	Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs
Khomam	2	2	4
Rasht	5	7	15
Rezvanshahr	2	2	4
Rudbar	4	7	10
Rudsar	4	5	10
Siahkal	2	2	5
Shaft	2	2	4
Sumaehsara	5	5	10
Tavalesh	4	5	10
Fuman	2	3	6
Lahijan	2	2	7
Langrud	3	5	7
Masal	2	2	4
Lorestan	***36***	***33***	***90***
Azna	2	2	4
Aligudarz	5	5	12
Borujerd	3	3	8
Poldokhtar	2	2	5
Chegeni	3	3	6
Khorramabad	4	4	17
Delfan	5	3	10
Dorud	2	2	5
Rumeshkan	2	2	4
Selseleh	2	2	6
Kuhdasht	4	4	9
Mamulan	2	1	4
Mazandaran	***59***	***64***	***135***
Amol	5	6	11
Babol	6	7	13
Babolsar	3	3	6
Behshahr	2	3	5
Tonkabon	4	4	9
Juybar	3	2	6
Chalus	2	2	4
Ramsar	2	3	4
Sari	6	6	15
Savadkuh	2	3	4
Savadkuh-e Shomali	2	1	4
Seemorgh	2	1	4
Abbasabad	3	3	5
Ferydonkenar	2	2	4
Qaemshahr	1	2	5
Kelardasht	1	2	2
Galugah	2	1	4
Mahmoudabad	2	2	5
Miandorood	2	2	5
Neka	2	1	5
Nur	3	5	9

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1402 (continued)

Ostan and Shahrestan	Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs
Nushahr	2	3	6
Markazi	***24***	***34***	***67***
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	3	5	7
Saveh	2	4	7
Shazand	4	6	9
Farahan	2	3	4
Komeijan	2	2	4
Mahallat	1	2	2
Hormozgan	***43***	***52***	***92***
Abumusa	2	2	2
Bastak	3	5	7
Bashagerd	3	2	6
Bandar Abbas	6	7	13
Bandar Lengeh	4	5	8
Parsiyan	2	3	4
Jask	2	2	5
Hajiabad	3	3	6
Khamir	3	3	6
Rudan	4	4	11
Sireek	2	3	4
Qeshm	3	6	7
Minab	6	7	13
Hamedan	**27**	**33**	**76**
Asadabad	2	3	6
Bahar	3	4	6
Tuyserkan	2	3	7
Dargazin	2	3	4
Razan	3	2	6
Famenin	2	1	4
Kabudarahang	3	3	10
Malayer	4	6	15
Nahavand	4	4	9
Hamedan	2	4	9
Yazd	**25**	**23**	**51**
Abarkuh	2	2	4
Ardakan	3	4	5
Ashkzar	2	3	2
Bafgh	1	1	3
Behabad	2	1	3
Taft	3	3	10
Khatam	2	1	3
Zarach	2	1	3
Marvast	2	1	4
Mehriz	1	1	5
Meybod	3	3	5
Yazd	2	2	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 1402

Capital of Ostan	Year of the establishment	Station characteristics						
		Geographic longitude and latitude						Height from the sea level (m)
		East longtitude			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	1448.0
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 1402 (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	7.4	14.2	-30.5	44.0	325.8	80.0
Ardebil	15.9	3.5	9.7	-33.7	40.4	283.3	63.0
Orumiyeh	18.0	5.5	11.7	-22.8	39.9	327.7	79.0
Esfahan	23.7	9.3	16.5	-19.3	43.0	123.7	48.4
Ahvaz	32.9	17.8	25.4	-7.0	54.0	197.2	107.0
Ilam	23.3	11.1	17.2	-13.9	42.2	552.0	213.6
Bojnurd	20.3	7.0	13.6	-25.0	42.3	248.5	54.3
Bandar Abbas	32.2	21.8	27.0	2.0	51.0	170.6	211.0
Bushehr	28.8	21.7	25.2	3.0	47.0	244.9	168.0
Birjand	24.8	8.5	16.7	-21.5	44.0	160.1	52.0
Tabriz	18.3	7.2	12.8	-25.0	42.0	279.2	63.0
Tehran	22.9	12.2	17.6	-15.0	43.0	229.3	50.4
Khorramabad	25.4	9.1	17.3	-14.6	47.0	491.0	94.0
Rasht	20.7	11.7	16.2	-19.0	40.0	1313.0	170.0
Zahedan	26.9	10.3	18.6	-22.0	43.4	84.4	52.0
Zanjan	18.6	4.5	11.5	-30.0	43.0	306.3	50.6
Sari	22.9	13.5	18.2	-6.0	42.6	740.1	112.0
Semnan	23.9	12.6	18.2	-11.6	44.4	134.5	41.0
Sanandaj	21.9	5.9	13.9	-31.0	44.0	425.2	73.0
Shahr-e-Kord	20.3	3.1	11.8	-32.4	42.0	314.5	88.8
Shiraz	25.9	9.9	17.8	-14.0	43.4	323.2	128.0
Qazvin	21.4	7.0	14.2	-24.0	43.0	307.6	50.0
Qom	25.9	10.8	18.3	-23.0	47.0	132.6	90.0
Karaj	21.4	8.9	15.1	-17.0	42.0	246.7	57.0
Kerman	25.0	7.2	16.1	-30.0	42.0	140.6	60.0
Kermanshah	23.1	6.4	14.7	-27.0	44.1	422.9	108.0
Gorgan	23.1	12.7	17.8	-10.1	46.3	559.4	147.0
Mashhad	21.6	7.7	14.6	-28.0	43.8	244.8	52.0
Hamedan	19.8	3.8	11.8	-32.7	40.0	307.0	79.0
Yasuj	22.6	7.6	15.1	-19.0	40.4	779.9	135.0
Yazd	27.0	12.3	19.6	-16.0	45.6	57.4	48.0

1.6. METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS FROM THE YEAR OF ESTABLISHMENT TO THE END OF THE YEAR 1402 (continued)

Capital of Ostan	Mean of relative humidity (%)		Number of frosty days	Bright sunshine (hours)	Max. wind speed (mps)
	Max.	Min.			
Arak	62.9	30.5	81.4	2955.3	35
Ardebil	88.8	52.1	112.9	2529.5	37
Orumiyeh	78.0	40.7	103.0	2883.3	31
Esfahan	57.1	22.6	69.8	3303.5	31
Ahvaz	62.6	27.0	2.8	3064.3	40
Ilam	54.5	26.2	38.2	3086.3	40
Bojnurd	79.0	38.2	87.0	2803.1	45
Bandar Abbas	81.5	46.2	0.0	3133.7	30
Bushehr	79.3	53.7	0.0	3122.0	30
Birjand	51.9	20.5	74.5	3296.4	26
Tabriz	70.3	35.7	91.6	2822.0	30
Tehran	54.7	26.5	40.4	3020.3	33
Khorramabad	64.2	27.8	48.1	3014.1	30
Rasht	95.6	65.7	20.9	1682.2	31
Zahedan	48.4	18.2	51.0	3297.5	41
Zanjan	74.5	36.0	111.3	2879.2	28
Sari	92.1	59.2	8.0	2020.9	27
Semnan	52.8	28.3	41.9	3070.1	26
Sanandaj	69.4	27.7	95.5	2925.5	25
Shahr-e-Kord	66.5	28.1	121.9	3186.6	32
Shiraz	59.9	22.8	45.5	3353.1	30
Qazvin	73.0	32.2	84.6	2971.8	39
Qom	60.1	26.3	50.8	3161.6	31
Karaj	68.9	31.0	59.5	2985.6	27
Kerman	50.0	18.2	83.6	3280.0	30
Kermanshah	64.7	27.4	84.2	2890.8	35
Gorgan	86.3	53.0	17.2	2203.6	31
Mashhad	72.0	35.0	79.8	2932.1	25
Hamedan	73.2	32.9	113.4	2996.8	31
Yasuj	64.5	23.5	67.2	3211.9	30
Yazd	44.4	18.7	42.8	3304.9	33

Source: I. R. Iran Meteorological Organization.

1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1402

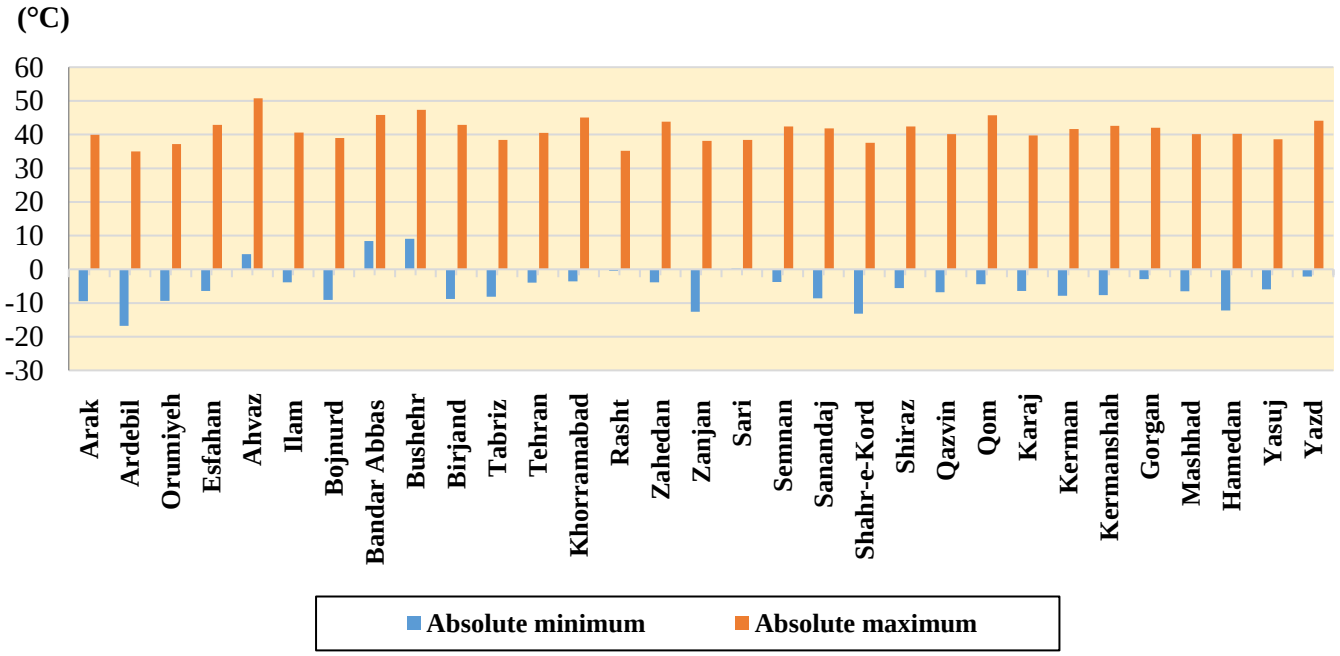
Capital of Ostan	Air temperature (˚C)					Annual precipitation (mm)
	Average max	Average min	Mean	Absolut min	Absolut max	
Arak	23 .5	8 .8	16 .1	-9 .5	39 .9	187 .6
Ardebil	17 .8	5 .7	11 .8	-16 .8	35 .0	252 .8
Orumiyeh	20 .7	6 .2	13 .5	-9 .4	37 .2	296 .8
Esfahan	27 .1	10 .7	18 .8	-6 .4	42 .9	69 .8
Ahvaz	35 .2	20 .2	27 .7	4 .5	50 .8	241 .4
Ilam	24 .6	11 .0	17 .8	-3 .9	40 .6	581 .7
Bojnurd	21 .9	8 .1	15 .0	-9 .1	39 .0	228 .7
Bandar Abbas	33 .2	22 .9	28 .0	8 .4	45 .8	25 .7
Bushehr	31 .2	22 .6	26 .9	9 .1	47 .3	11 .1
Birjand	26 .7	9 .6	18 .1	-8 .8	42 .9	81 .0
Tabriz	20 .8	9 .1	15 .0	-8 .1	38 .4	239 .9
Tehran	24 .6	14 .8	19 .7	-4 .0	40 .5	116 .1
Khorramabad	26 .5	9 .5	18 .0	-3 .6	45 .1	441 .9
Rasht	22 .6	13 .8	18 .2	//	35 .2	1313.0
Zahedan	28 .4	12 .6	20 .5	-3 .9	43 .8	81 .9
Zanjan	21 .0	5 .9	13 .5	-12 .6	38 .1	285 .7
Sari	24 .9	14 .7	19 .8	//	38 .4	766 .4
Semnan	25 .7	14 .5	20 .1	-3 .8	42 .4	82 .2
Sanandaj	23 .8	7 .4	15 .6	-8 .6	41 .8	449 .7
Shahr-e-Kord	22 .4	2 .5	12 .4	-13 .2	37 .6	172 .2
Shiraz	27 .9	10 .4	19 .1	-5 .6	42 .4	130 .1
Qazvin	23 .7	8 .6	16 .2	-6 .8	40 .1	159 .4
Qom	28 .5	12 .5	20 .5	-4 .4	45 .7	85 .1
Karaj	23 .6	10 .7	17 .1	-6 .4	39 .7	137 .8
Kerman	26 .5	9 .1	17 .8	-7 .9	41 .6	50 .6
Kermanshah	24 .2	8 .5	16 .3	-7 .7	42 .6	358 .1
Gorgan	25 .4	12 .8	19 .1	-2 .9	42 .0	471 .3
Mashhad	24 .1	11 .4	17 .7	-6 .5	40 .1	126 .3
Hamedan	21 .7	5 .5	13 .6	-12 .2	40 .2	266 .8
Yasuj	24 .0	8 .1	16 .1	-6 .0	38 .6	544 .9
Yazd	28 .8	15 .3	22 .1	-2 .2	44 .1	58 .7

1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1402 (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	25.4	56.1	22.8	71	3056.3	23	23
Ardebil	46.0	85.2	44.4	78	2715.4	31	31
Orumiyeh	34.7	74.5	33.4	90	3082.1	40	40
Esfahan	14.0	51.0	18.6	53	3409.9	23	23
Ahvaz	39.0	59.7	25.5	0	3325.3	16	16
Ilam	78.0	58.0	29.0	23	3150.9	19	19
Bojnurd	28.0	76.5	33.2	66	2965.6	25	25
Bandar Abbas	13.4	80.7	44.3	0	3299.0	12	12
Bushehr	3.0	80.4	52.2	0	000	20	20
Birjand	13.0	43.5	14.1	65	3420.0	15	15
Tabriz	21.7	66.5	31.7	76	2919.3	20	20
Tehran	11.0	46.0	20.2	9	3150.6	28	28
Khorramabad	39.0	65.8	25.4	35	3116.0	16	16
Rasht	77.0	98.7	61.8	3	1824.4	14	14
Zahedan	14.0	45.6	18.7	22	3195.9	17	17
Zanjan	35.0	73.0	29.0	86	2954.5	20	20
Sari	49.7	92.6	53.9	0	2056.0	16	16
Semnan	19.8	45.3	21.2	10	3255.3	30	30
Sanandaj	51.0	69.2	24.0	73	3088.9	15	15
Shahr-e-Kord	23.0	63.1	18.0	143	3413.3	36	36
Shiraz	27.4	56.2	19.3	42	3519.1	15	15
Qazvin	18.0	72.0	31.6	50	3028.9	21	21
Qom	10.0	59.9	27.6	28	3246.5	23	23
Karaj	17.3	66.8	26.7	29	3074.1	23	23
Kerman	15.0	45.9	18.0	72	3449.1	28	28
Kermanshah	57.5	61.1	22.2	56	2930.9	17	17
Gorgan	35.0	90.9	53.7	18	2472.3	22	22
Mashhad	18.3	66.5	39.2	35	3039.2	18	18
Hamedan	27.2	67.7	26.6	96	3163.3	22	22
Yasuj	110.0	64.7	19.6	60	3384.7	15	15
Yazd	17.0	37.7	17.1	9	3359.0	27	27

Source: I. R Iran Meteorological Organization.

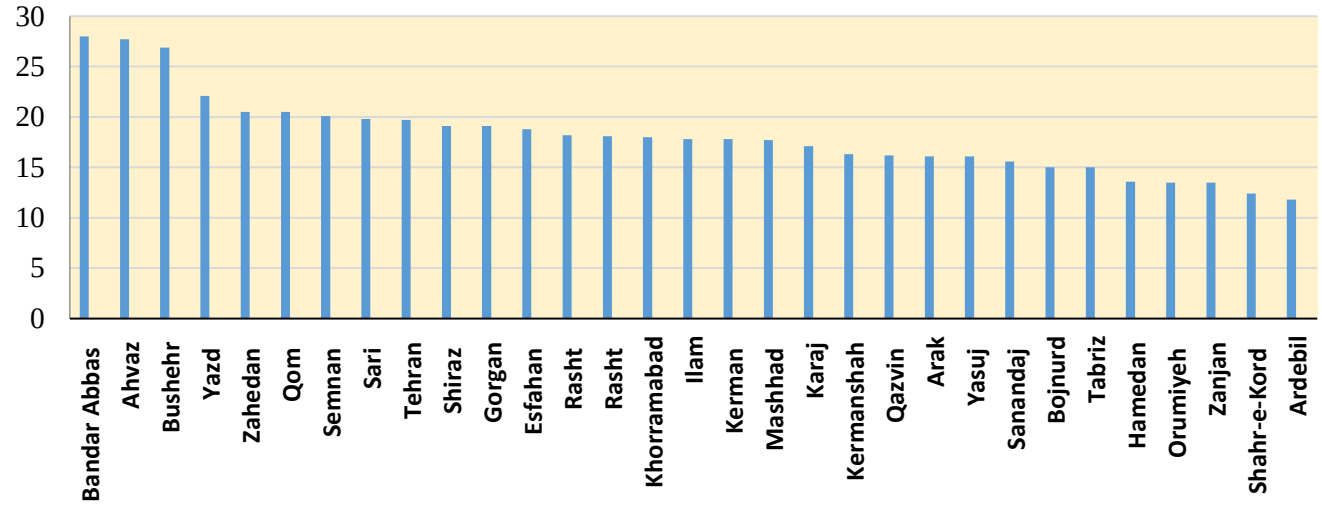
1.1. ABSOLUTE MAXIMUM AND MINIMUM TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1402



For data see Table 1.7.

1.2. AVERAGE ANNUAL TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1402

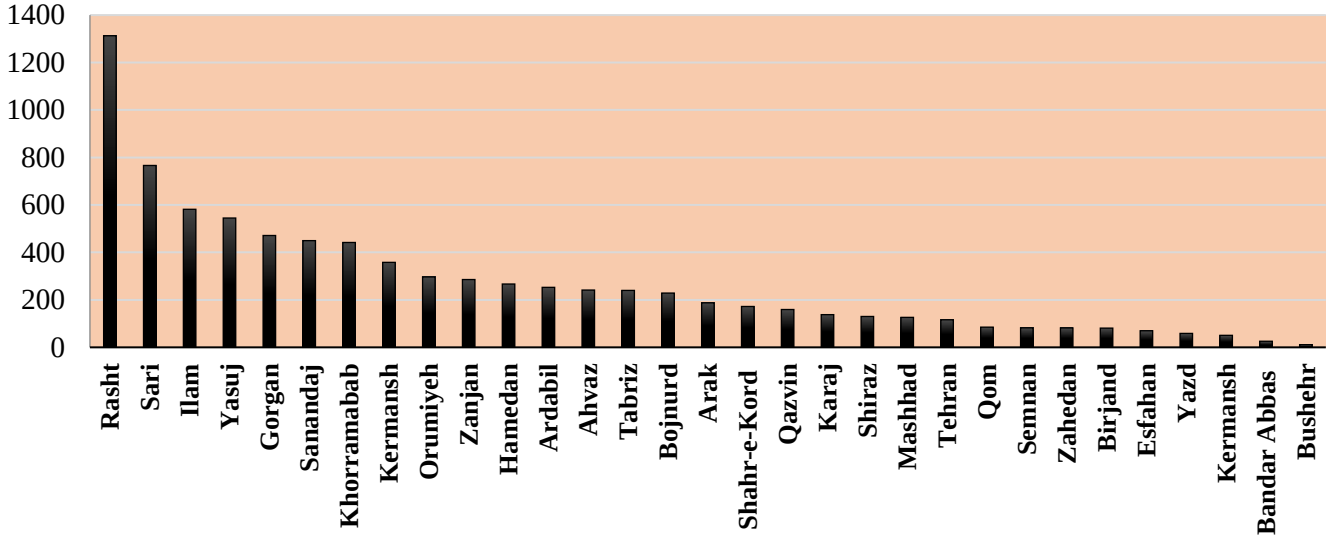
(°C)



For data see Table 1.7.

1.3. ANNUAL RAINFALL IN THE CAPITALS OF OSTANS, THE YEAR 1402

Millimeter



For data see Table 1.7.

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1402 (°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	25.8	-1.2	12.4	30.6	4.5	17.5	36.6	11.4	23.5
Ardebil	25.8	-4.0	10.1	28.2	1.6	13.8	32.4	6.4	18.1
Orumiyeh	24.7	-2.2	10.9	28.9	0.8	14.8	32.0	9.3	20.6
Esfahan	28.8	0.0	15.8	33.6	7.8	21.3	39.9	13.8	27.8
Ahvaz	38.7	10.1	22.8	45.5	16.3	30.4	48.7	25.5	36.7
Ilam	27.2	-2.5	12.4	31.1	4.7	18.3	34.2	13.0	24.3
Bojnurd	31.0	0.0	12.6	31.2	4.4	17.6	35.6	12.8	24.0
Bandar Abbas	35.2	16.2	25.0	39.6	20.0	29.2	43.0	25.3	33.2
Bushehr	32.5	14.5	22.2	40.2	18.2	28.4	40.2	25.1	32.2
Birjand	30.6	1.4	15.9	35.2	4.4	21.6	41.8	13.6	26.9
Tabriz	25.0	-2.7	12.0	28.7	5.2	16.3	33.0	11.1	22.4
Tehran	27.7	3.7	16.5	33.0	8.9	22.5	37.5	16.6	28.4
Khorramabad	26.4	-1.4	12.7	33.7	2.7	18.1	37.4	11.2	24.9
Rasht	34.4	4.8	15.0	28.5	8.8	18.3	32.0	15.8	24.8
Zahedan	32.7	5.2	19.3	0.37	8.6	24.5	43.1	15.9	28.8
Zanjan	26.1	-3.2	10.0	28.3	00	14.3	32.7	8.6	20.1
Sari	32.4	4.8	16.2	31.4	10.1	20.1	36.2	18.3	26.4
Semnan	29.8	5.0	17.1	34.4	11.2	23.3	40.4	17.6	29.7
Sanandaj	25.8	-2.7	11.8	29.4	2.0	15.8	34.4	8.8	21.6
Shahr-e-Kord	22.6	-6.8	8.5	27.2	-2.6	13.1	33.7	3.8	19.1
Shiraz	27.6	1.0	14.8	33.0	6.8	20.5	38.7	13.0	27.0
Qazvin	26.5	-1.9	12.9	32.0	3.6	18.0	36.2	11.0	24.0
Qom	32.9	0.0	17.8	37.6	8.9	23.6	42.9	16.1	29.8
Karaj	26.8	0.9	13.9	32.2	1.8	19.3	36.7	12.8	25.0
Kerman	28.2	00	15.1	32.6	6.5	20.1	39.5	11.3	25.7
Kermanshah	25.3	-1.6	12.1	31.4	1.8	16.7	35.4	9.9	23.0
Gorgan	31.1	3.0	15.6	34.7	7.6	20.6	41.6	18.3	27.3
Mashhad	33.7	2.8	16.1	34.4	6.8	21.5	40.0	16.6	27.6
Hamedan	23.6	-3.3	10.0	28.3	-0.8	14.4	32.9	7.3	19.8
Yasuj	24.2	0.0	11.3	29.2	4.0	16.6	34.6	11.8	23.2
Yazd	31.3	5.7	19.0	35.7	12.4	24.8	42.5	18.2	31.3

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1402 (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	39.9	15.2	28.2	39.4	12.7	28.1	38.4	13.0	25.4
Ardebil	35.0	6.2	18.2	32.7	4.2	20.3	33.4	5.0	17.1
Orumiyeh	37.2	11.6	23.5	37.2	13.0	25.7	35.6	8.6	21.4
Esfahan	42.9	20.8	31.7	41.9	14.7	29.4	41.1	14.4	28.1
Ahvaz	50.8	26.9	39.2	50.2	27.1	39.5	50.4	21.4	37.1
Ilam	40.6	16.3	28.6	40.2	20.2	30.5	39.2	13.8	27.1
Bojnurd	39.0	14.8	25.6	38.6	10.1	25.9	35.0	8.6	21.5
Bandar Abbas	43.5	29.3	34.7	45.8	26.7	34.7	44.6	27.9	33.9
Bushehr	40.4	26.1	33.4	47.3	28.9	35.7	40.7	26.0	34.5
Birjand	42.9	14.8	29.5	39.6	10.1	27.0	38.9	11.5	26.0
Tabriz	38.2	15.8	26.4	38.4	18.1	28.8	35.7	13.7	24.2
Tehran	40.5	18.7	30.8	39.6	22.4	31.6	38.2	17.1	28.4
Khorramabad	45.1	13.8	29.4	43.6	17.8	31.5	41.7	11.7	27.2
Rasht	33.7	17.2	25.4	35.2	17.3	27.4	35.2	16.6	24.1
Zahedan	43.8	18.2	31.2	40.0	13.6	28.8	39.7	13.4	26.7
Zanjan	36.5	9.4	23.5	38.1	8.6	24.8	37.2	6.5	21.7
Sari	37.7	19.8	27.2	38.4	21.4	29.8	37.1	16.2	26.6
Semnan	42.4	22.6	32.7	41.2	21.0	32.1	39.4	18.2	29.4
Sanandaj	41.8	11.6	27.6	40.7	14.7	28.8	39.5	9.1	24.6
Shahr-e-Kord	37.6	3.1	23.0	37.5	5.3	22.8	34.9	5.8	20.9
Shiraz	42.4	16.0	30.3	41.4	15.4	29.6	40.0	14.4	27.9
Qazvin	40.1	12.8	26.8	40.0	15.1	28.1	39.6	9.4	24.4
Qom	45.7	21.8	33.1	44.6	16.8	32.7	43.2	15.8	29.4
Karaj	39.7	14.2	27.6	38.9	17.0	28.9	37.7	12.4	25.0
Kerman	41.6	16.3	29.7	38.2	9.4	26.1	38.6	13.1	25.9
Kermanshah	42.6	12.8	27.9	41.9	17.1	29.7	40.2	10.6	25.5
Gorgan	42.0	17.5	28.3	39.7	17.1	30.5	38.4	13.8	26.6
Mashhad	40.1	19.5	28.7	38.2	13.7	28.3	36.7	12.1	23.6
Hamedan	40.2	11.8	24.9	38.7	9.6	25.7	36.6	7.3	22.6
Yasuj	38.6	13.9	26.7	38.2	14.6	26.7	36.4	11.8	24.9
Yazd	44.1	25.4	34.7	42.8	16.0	32.1	41.6	20.5	31.3

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1402 (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	30.7	3.6	18.3	25.6	2.1	13.3	20.1	-3.0	8.1
Ardebil	26.4	2.0	13.2	25.6	0.7	13.0	18.8	-12.9	7.4
Orumiyeh	28.0	4.5	15.4	23.5	1.1	11.8	17.8	-6.7	5.1
Esfahan	33.7	6.6	21.4	28.6	2.6	15.8	22.6	-4.4	9.3
Ahvaz	45.2	18.7	31.9	36.0	13.6	24.6	28.8	6.6	17.1
Ilam	36.5	8.6	21.5	26.3	5.8	14.9	23.0	//	10.7
Bojnurd	28.8	3.0	15.0	26.4	0.0	13.7	19.2	-3.2	6.6
Bandar Abbas	42.2	24.6	31.9	35.4	15.6	27.2	34.0	9.1	22.8
Bushehr	38.5	24.3	31.6	35.0	17.6	26.3	32.1	11.0	21.0
Birjand	33.2	4.8	19.0	29.3	2.0	16.0	22.5	-4.0	9.4
Tabriz	29.6	7.3	17.1	23.0	//	12.8	17.1	-5.0	5.7
Tehran	29.6	12.1	21.4	26.7	9.4	17.2	19.8	2.8	11.2
Khorramabad	38.5	7.6	22.1	27.7	2.9	15.3	21.5	-2.0	9.6
Rasht	27.6	11.2	19.8	31.2	10.1	19.0	31.0	2.6	13.3
Zahedan	36.4	8.4	21.6	30.4	3.9	17.5	24.8	-1.6	11.7
Zanjan	28.9	4.3	15.7	24.4	0.5	11.6	19.8	-5.2	6.5
Sari	31.0	12.4	21.5	32.0	10.0	19.8	30.0	3.0	14.0
Semnan	31.0	12.0	21.3	27.8	8.8	17.5	18.8	0.6	10.1
Sanandaj	33.7	4.9	18.3	25.8	1.2	13.0	19.2	-4.0	7.2
Shahr-e-Kord	29.8	-3.0	15.3	23.0	-6.2	9.8	18.0	-10.1	4.5
Shiraz	35.2	9.4	22.6	28.8	3.0	15.9	21.8	-2.0	10.5
Qazvin	29.7	5.9	18.1	25.8	4.0	14.1	18.6	-3.0	8.4
Qom	33.7	9.1	21.8	31.6	5.0	17.6	25.4	-2.8	10.7
Karaj	29.8	8.1	19.0	25.9	5.6	15.2	19.8	-1.5	9.4
Kerman	32.4	7.4	20.0	27.3	2.8	14.7	22.2	-6.3	9.0
Kermanshah	34.9	6.1	19.7	26.0	3.3	13.8	20.6	-2.8	8.5
Gorgan	33.7	9.5	20.7	34.2	5.5	18.6	28.3	-0.9	11.3
Mashhad	32.5	5.4	17.8	29.6	5.2	16.3	23.8	-1.7	9.4
Hamedan	30.2	2.7	16.1	23.6	-1.6	10.7	18.3	-6.4	6.0
Yasuj	32.4	7.4	19.6	24.8	1.2	13.1	20.3	-2.8	8.6
Yazd	34.7	13.8	24.0	30.5	8.3	18.8	24.4	0.0	12.6

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1402(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	18.0	-4.5	6.7	20.5	-5.0	5.3	21.2	-9.5	5.0
Ardebil	14.6	-14.1	4.3	17.3	-16.8	2.1	20.0	-14.5	2.7
Orumiyeh	14.8	-5.8	3.7	14.0	-9.4	2.2	19.3	-9.3	4.8
Esfahan	19.2	-6.4	8.1	23.2	-5.0	8.1	25.7	-5.2	8.6
Ahvaz	25.1	5.6	16.6	27.9	4.5	16.5	32.7	5.5	18.1
Ilam	19.0	-0.5	8.5	20.3	-3.9	6.9	21.8	-2.7	8.4
Bojnurd	18.2	-5.4	6.7	23.0	-9.1	4.3	26.8	-7.2	4.7
Bandar Abbas	31.7	8.8	20.9	28.6	8.4	20.3	32.2	8.6	21.6
Bushehr	26.6	11.6	19.1	27.8	9.1	18.7	29.7	10.1	19.3
Birjand	22.2	-6.5	8.6	24.5	-8.8	8.4	28.2	-6.7	7.5
Tabriz	13.1	-4.0	4.0	15.1	-8.1	2.9	18.3	-8.1	5.0
Tehran	17.2	1.4	9.6	19.8	-1.2	8.3	20.9	-4.09	8.6
Khorramabad	18.7	-3.5	7.9	20.3	-2.6	7.4	23.4	-3.6	8.6
Rasht	25.0	1.2	11.3	24.0	0.5	9.8	21.0	-0.4	8.8
Zahedan	23.4	-3.9	11.5	28.1	-1.2	12.2	30.3	-3.3	10.7
Zanjan	14.6	-6.4	4.8	16.7	-10.1	3.2	20.3	-12.6	3.8
Sari	27.2	3.2	12.7	27.0	1.8	11.6	26.0	0.2	10.1
Semnan	17.8	//	8.5	21.2	-1.2	8.1	24.2	-3.8	9.1
Sanandaj	16.0	-5.7	5.5	17.7	-5.2	5.2	21.3	-8.6	6.4
Shahr-e-Kord	16.2	-13.2	3.6	17.2	-10.9	3.0	20.3	-11.1	3.6
Shiraz	20.2	-3.8	8.8	23.2	-5.6	9.6	25.4	-3.2	10.6
Qazvin	15.9	-4.3	6.6	19.5	-5.2	5.5	18.7	-6.8	5.9
Qom	20.3	-3.4	9.4	23.6	-1.6	9.1	25.2	-4.4	9.4
Karaj	15.4	-3.1	8.1	20.0	-4.5	6.5	19.2	-6.4	6.3
Kerman	21.2	-7.8	8.5	23.6	-7.9	8.8	25.6	-6.7	8.5
Kermanshah	16.7	-7.7	6.5	19.2	-4.8	6.4	21.4	-7.1	7.4
Gorgan	23.4	-1.6	10.5	25.7	-2.9	9.1	24.0	-2.2	8.6
Mashhad	20.9	-1.6	8.5	23.9	-5.0	6.9	30.6	-6.5	6.2
Hamedan	16.0	-8.1	4.5	17.3	-12.2	2.9	19.0	-10.9	3.6
Yasuj	17.3	-4.8	6.7	18.0	-6.0	6.1	22.4	-5.2	7.5
Yazd	25.4	2.2	12.4	26.2	-1.6	11.3	28.1	-2.2	10.7

Source: I. R. I. Meteorological Organization.

1.9. TOTAL PRECIPITATION IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1402 (mm)

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	22.2	13.0	13.2	0.0	1.1	0.0
Ardebil	14.2	75.8	36.2	3.7	2.1	8.6
Orumiyeh	90.9	36.0	7.1	1.0	0.0	0.0
Esfahan	2.7	1.3	//	0.0	//	0.0
Ahvaz	32.0	2.8	0.0	0.0	1.0	0.0
Ilam	93.0	23.0	0.0	0.0	//	0.0
Bojnurd	10.8	68.2	21.7	0.0	0.6	31.1
Bandar Abbas	1.0	0.0	0.0	0.0	0.0	0.0
Bushehr	//	0.0	0.0	//	0.0	0.0
Birjand	16.8	3.9	//	0.0	0.0	0.0
Tabriz	18.5	41.1	14.6	0.0	2.4	0.0
Tehran	23.7	5.0	6.6	0.0	1.2	0.0
Khorramabad	123.0	26.0	0.0	0.0	0.0	0.0
Rasht	46.4	124.0	40.0	67.8	37.5	203.0
Zahedan	16.8	4.3	2.5	0.0	0.0	0.0
Zanjan	40.6	39.5	41.3	27.5	//	0.5
Sari	75.2	98.2	17.6	17.8	2.4	87.2
Semnan	23.6	5.0	4.2	0.0	1.1	0.0
Sanandaj	87.3	117.5	1.0	0.0	0.0	0.0
Shahr-e-Kord	6.9	7.2	0.0	0.0	0.0	0.0
Shiraz	20.3	6.8	0.0	0.0	1.0	0.0
Qazvin	29.2	7.8	9.0	0.0	0.0	0.0
Qom	10.1	4.3	7.7	0.0	5.0	0.0
Karaj	24.0	9.6	27.1	0.0	0.5	0.0
Kerman	1.0	4.5	14.9	0.0	//	0.0
Kermanshah	90.5	59.2	16.7	0.0	0.0	0.0
Gorgan	27.2	73.3	22.8	4 .5	2.0	2.1
Mashhad	5.6	18.6	//	0.0	6.0	2.5
Hamedan	29.0	32.2	28.3	0.0	0.0	0.0
Yasuj	58.4	2.1	0.0	0.0	0.0	0.0
Yazd	//	1.7	0.6	0.0	0.0	0.0

1.9. TOTAL PRECIPITATION IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1401 (continued)

(mm)

Capital of Ostan	Month					
	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	0 .0	19 .8	5 .3	4 .0	53 .2	55 .4
Ardebil	18 .2	3 .6	17 .2	34 .4	20 .8	17 .6
Orumiyeh	6 .2	22 .1	1 .9	32 .0	85 .0	14 .4
Esfahan	//	9 .1	4 .2	0 .0	11 .7	40 .1
Ahvaz	2 .1	69 .7	7 .0	8 .6	37 .1	80 .8
Ilam	3 .9	149 .6	46 .7	41 .0	113 .3	111 .1
Bojnurd	27 .8	19 .8	11 .7	7 .9	19 .1	9 .9
Bandar Abbas	3 .0	13 .9	0 .5	0 .0	2 .1	5 .3
Bushehr	//	//	0 .0	3 .3	//	6 .6
Birjand	0 .6	6 .5	3 .2	0 .7	3 .6	45 .5
Tabriz	29 .7	18 .8	17 .8	35 .0	43 .0	18 .8
Tehran	6 .1	16 .1	2 .1	10 .3	27 .7	17 .3
Khorramabad	1 .4	46 .2	28 .8	38 .2	100 .2	78.0
Rasht	172 .4	64.0	109 .9	91 .0	182.0	175 .2
Zahedan	2 .2	15 .8	14 .0	7 .2	//	18 .8
Zanjan	5 .2	5 .4	15 .7	2 .9	58 .3	48 .4
Sari	138.0.	33 .2	68 .2	43 .7	92 .1	92 .6
Semnan	5 .5	7 .4	3 .8	0 .0	31 .0	0 .5
Sanandaj	4.0	52 .1	5 .0	25 .1	91 .3	66 .4
Shahr-e-Kord	5 .0	16 .6	8 .6	13 .4	53 .5	60 .9
Shiraz	1 .0	30 .2	1 .2	0 .0	26 .0	43 .5
Qazvin	9 .1	21 .2	4 .9	11 .1	51 .1	15 .8
Qom	0 .9	3 .4	0 .0	5 .0	24 .9	23 .7
Karaj	11 .1	11 .6	//	7 .2	16 .5	29 .9
Kerman	0 .0	//	0 .7	2 .2	//	26 .5
Kermanshah	14 .4	15 .5	5 .6	19 .8	112 .1	24 .1
Gorgan	66 .8	29 .2	63 .0	53 .1	80 .5	46 .6
Mashhad	9 .1	2 .1	0 .7	4 .2	35 .7	41 .9
Hamedan	4 .5	63 .6	2 .7	4 .7	62 .9	38 .7
Yasuj	6 .2	55 .4	28 .5	33 .2	236 .6	124 .4
Yazd	0 .0	4 .3	2 .2	//	11 .6	37 .6

Source: I. R. I. Meteorological Organization.

1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS, BY THE YEAR 1402

(hour)

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	237 .2	315 .6	302 .3	360 .5	307 .0	312 .0
Ardebil	217 .6	240 .7	261 .8	318 .0	349 .4	239 .6
Orumiyeh	236 .3	290 .3	321 .0	393 .9	365 .1	334 .3
Esfahan	279 .5	314 .8	346 .0	378 .9	350 .9	335 .6
Ahvaz	283 .2	333 .0	341 .1	386 .9	359 .8	340 .4
Ilam	252 .9	317 .8	322 .2	394 .6	345 .4	342 .2
Bojnurd	235 .2	224 .7	305 .6	343 .1	357 .8	322 .7
Bandar Abbas	288 .0	329 .5	332 .6	298 .1	284 .6	273 .6
Bushehr	278 .2	282 .3	302 .8	000	308 .8	304 .8
Birjand	275 .0	284 .2	319 .1	353 .7	377 .1	346 .8
Tabriz	235 .1	280 .7	290 .3	375 .6	354 .8	327 .1
Tehran	257 .1	308 .8	336 .4	376 .1	338 .4	331 .6
Khorramabad	238 .0	322 .5	313 .3	387 .5	354 .9	343 .3
Rasht	149 .6	145 .4	214 .0	212 .6	269 .1	132 .3
Zahedan	273 .6	274 .2	289 .1	293 .5	326 .6	309 .7
Zanjan	222 .5	289 .6	313 .3	382 .3	338 .7	336 .7
Sari	188 .3	192 .1	224 .5	190 .1	229 .6	178 .2
Semnan	259 .7	312 .6	325 .3	365 .7	345 .5	338 .0
Sanandaj	241 .8	299 .6	336 .6	396 .4	353 .1	335 .1
Shahr-e-Kord	271 .7	316 .8	347 .7	376 .6	340 .0	333 .0
Shiraz	285 .3	310 .8	358 .8	371 .4	335 .8	326 .3
Qazvin	239 .0	288 .3	312 .1	373 .1	327 .6	334 .8
Qom	264 .7	320 .6	331 .4	366 .4	338 .3	327 .1
Karaj	254 .9	304 .2	312 .8	359 .6	336 .0	326 .1
Kerman	301 .0	300 .8	278 .8	353 .8	359 .2	327 .7
Kermanshah	246 .7	279 .7	323 .7	372 .2	340 .5	323 .5
Gorgan	199 .1	210 .1	258 .3	240 .0	285 .1	219 .0
Mashhad	247 .9	262 .3	331 .0	351 .6	367 .2	331 .8
Hamedan	240 .7	297 .3	334 .5	386 .7	333 .7	341 .2
Yasuj	256 .8	313 .7	366 .4	389 .7	343 .0	335 .8
Yazd	278 .7	292 .8	320 .8	353 .1	342 .9	328 .6

1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS, BY THE YEAR 1402 (continued)

(hour)

Capital of Ostan	Month					
	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	256 .8	208 .2	213 .1	197 .8	189 .2	156 .4
Ardebil	203 .3	198 .1	194 .0	170 .2	146 .3	176 .3
Orumiyeh	228 .2	186 .2	186 .7	182 .6	131 .4	226 .0
Esfahan	285 .3	227 .0	214 .4	234 .7	250 .9	191 .8
Ahvaz	274 .2	197 .7	186 .1	194 .3	202 .8	225 .8
Ilam	226 .5	185 .0	206 .0	179 .4	167 .4	211 .5
Bojnurd	251 .8	223 .2	172 .5	195 .5	161 .9	171 .6
Bandar Abbas	271 .8	241 .4	257 .8	261 .7	239 .5	220 .4
Bushehr	265 .8	000	000	000	000	000
Birjand	298 .5	245 .2	234 .1	236 .7	240 .5	209 .1
Tabriz	234 .6	184 .6	174 .2	139 .6	124 .1	198 .5
Tehran	272 .3	218 .9	205 .5	180 .2	178 .2	147 .0
Khorramabad	249 .1	192 .3	202 .9	175 .3	145 .8	191 .1
Rasht	140 .0	157 .6	124 .2	105 .4	114 .7	59 .5
Zahedan	276 .5	232 .3	244 .7	231 .0	235 .1	209 .6
Zanjan	251 .1	177 .9	168 .3	149 .1	132 .9	192 .0
Sari	167 .4	167 .5	149 .6	146 .9	115 .5	106 .3
Semnan	270 .5	228 .3	197 .7	219 .8	179 .0	213 .2
Sanandaj	256 .1	194 .3	185 .1	156 .1	155 .1	179 .6
Shahr-e-Kord	285 .3	231 .2	239 .6	223 .2	240 .1	207 .9
Shiraz	293 .6	247 .1	251 .6	242 .5	261 .7	234 .0
Qazvin	248 .8	200 .8	201 .1	165 .7	165 .6	172 .0
Qom	267 .8	237 .8	221 .1	208 .9	191 .8	170 .6
Karaj	256 .6	211 .9	205 .3	166 .3	172 .1	168 .2
Kerman	287 .1	249 .7	267 .1	250 .0	261 .1	212 .7
Kermanshah	233 .2	174 .0	186 .4	120 .1	145 .3	185 .6
Gorgan	218 .8	207 .1	168 .6	167 .8	146 .8	151 .6
Mashhad	261 .3	210 .2	178.0	182 .3	165 .2	150 .3
Hamedan	260 .2	205.0	215 .0	193 .2	177 .3	178 .4
Yasuj	280 .6	215 .8	249 .6	201 .8	221 .7	209 .8
Yazd	282 .6	230 .7	234 .8	240 .3	259 .8	193 .7

Source: I. R. I. Meteorological Organization.

1.11. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1402 (mps)

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	18	22	20	14	17	18
Ardebil	20	20	16	15	15	15
Orumiyeh	12	15	10	40	12	10
Esfahan	18	23	20	15	15	14
Ahvaz	11	10	10	11	9	8
Ilam	19	17	18	14	15	16
Bojnurd	25	19	17	14	13	12
Bandar Abbas	12	10	10	9	10	9
Bushehr	16	18	15	10	11	14
Birjand	12	12	13	15	12	12
Tabriz	16	16	20	12	13	17
Tehran	23	16	28	13	16	13
Khorramabad	12	16	8	9	10	9
Rasht	13	11	5	8	6	10
Zahedan	17	16	14	13	12	11
Zanjan	20	17	14	16	17	13
Sari	16	10	13	8	8	11
Semnan	13	17	14	30	14	12
Sanandaj	15	9	8	8	9	11
Shahr-e-Kord	23	27	14	15	17	17
Shiraz	12	15	9	9	11	8
Qazvin	20	21	16	16	13	12
Qom	20	20	23	15	22	13
Karaj	21	21	23	13	16	18
Kerman	21	24	24	16	17	14
Kermanshah	13	16	17	12	15	11
Gorgan	22	14	18	11	11	14
Mashhad	13	13	14	12	14	11
Hamedan	22	22	19	18	20	17
Yasuj	8	15	8	12	9	8
Yazd	22	23	27	15	16	12

1.11. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1402 (continued)

(mps)

Capital of Ostan	Month					
	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	23	15	15	18	21	16
Ardebil	23	31	31	27	31	22
Orumiyeh	8	8	11	8	8	11
Esfahan	18	16	12	20	23	18
Ahvaz	14	16	6	10	11	10
Ilam	13	19	15	19	17	17
Bojnurd	17	14	14	19	15	12
Bandar Abbas	9	10	11	7	12	12
Bushehr	12	20	20	13	18	19
Birjand	13	10	11	11	15	12
Tabriz	11	12	14	13	11	14
Tehran	16	17	12	14	13	11
Khorramabad	9	9	7	9	12	10
Rasht	5	8	11	14	11	12
Zahedan	14	13	12	13	17	14
Zanjan	15	20	13	19	14	16
Sari	15	11	14	12	15	14
Semnan	16	12	7	10	10	10
Sanandaj	9	12	12	11	8	11
Shahr-e-Kord	18	27	18	33	36	21
Shiraz	14	10	9	9	14	13
Qazvin	15	16	9	16	14	14
Qom	21	19	14	15	15	12
Karaj	17	15	11	17	14	17
Kerman	19	15	15	14	28	17
Kermanshah	12	15	10	12	15	14
Gorgan	17	15	14	15	11	21
Mashhad	18	14	13	12	12	10
Hamedan	19	18	16	18	18	18
Yasuj	12	10	6	7	12	9
Yazd	19	17	15	16	16	14

Source: I. R. I. Meteorological Organization.

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

Capital of Ostan	Year							
	1385	1390	1395	1398	1399	1400	1401	1402
Arak	283	199	374	484	322	249	186	188
Ardebil	237	259	230	244	308	205	210	253
Orumiyeh	372	334	286	422	296	241	204	297
Esfahan	220	150	71	142	139	65	136	70
Ahvaz	184	89	113	351	186	95	220	241
Ilam	555	361	449	760	283	190	420	582
Bojnurd	241	209	276	314	201	161	172	229
Bandar Abbas	277	58	149	418	70	247	75	26
Bushehr	224	124	80	288	243	118	300	11
Birjand	135	95	97	136	149	140	91	81
Tabriz	129	272	263	241	315	233	178	240
Tehran	227	316	194	380	307	137	187	116
Khorramabad	510	286	563	784	373	288	282	442
Rasht	1476	1637	1479	1703	1296	1237	992	1313
Zahedan	55	47	55	136	50	25	77	82
Zanjan	308	366	230	385	315	189	227	286
Sari	684	919	824	862	631	744	545	766
Semnan	177	176	128	164	138	90	75	82
Sanandaj	449	373	317	412	364	224	278	450
Shahr-e-Kord	413	240	317	311	243	267	326	172
Shiraz	305	274	284	415	272	148	271	130
Qazvin	325	424	297	341	385	199	175	159
Qom	111	123	139	235	191	142	102	85
Karaj	302	351	211	419	383	175	162	138
Kerman	134	108	98	129	186	89	92	51
Kermanshah	430	415	457	686	350	143	291	358
Gorgan	522	724	491	504	266	408	268	471
Mashhad	223	254	287	306	251	108	182	126
Hamedan	283	313	344	428	373	163	151	267
Yasuj	777	661	533	865	907	632	902	545
Yazd	44	22	24	100	51	62	118	59

Source: I. R. I. Meteorological Organization.

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

Ostan	Year								Long term
	1385	1390	1395	1398	1399	1400	1401	1402	
Total country...	***147 .6***	***205 .9***	***233 .2***	***312 .8***	***278 .8***	***235 .0***	***238 .0***	***267 .0***	***311 .8***
East Azarbayejan	204 .8	205 .9	279 .0	234 .1	242 .0	192 .3	175 .5	247 .7	260 .8
West Azarbayejan	289 .8	407 .6	319 .2	317 .3	268 .6	249 .2	210 .4	315 .7	344 .5
Ardebil	195 .2	378 .9	338 .2	243 .1	319 .5	252 .3	195 .9	295 .1	298 .3
Esfahan	127 .9	144 .6	128 .9	176 .3	75 .0	106 .2	155 .9	115 .8	187 .9
Alborz	000(1)	000(1)	403 .9	308 .8	402 .8	241 .1	184 .4	253 .1	263 .6
Ilam	245 .6	262 .1	430 .5	525 .4	302 .3	168 .0	362 .7	476 .7	436 .6
Bushehr	174 .0	124 .3	268 .6	259 .2	231 .6	201 .9	219 .1	99 .3	236 .5
Tehran	185.0(1)	381.0(1)	307 .0	350 .2	316 .6	163 .5	179 .2	144 .6	260 .7
Chaharmahal & Bakhtiyari	432.3	489 .0	549 .5	418 .6	369 .5	443 .0	527 .7	326 .7	485 .3
South Khorasan	36 .5	99 .1	94 .4	121 .4	98 .3	87 .0	61 .2	77 .4	116 .7
Khorasan-e-Razavi	86 .9	198 .3	212 .9	204 .1	210 .9	123 .9	119 .2	107 .9	191 .6
North Khorasan	185 .5	300 .7	282 .6	229 .5	223 .7	175 .9	166 .9	212 .8	216 .9
Khuzestan	195 .4	179 .3	244 .6	262 .3	237 .9	168 .3	313 .5	316 .7	279 .8
Zanjan	211 .4	383 .6	280 .3	224 .2	239 .5	186 .7	178 .7	230 .0	261 .6
Semnan	105 .2	156 .4	131 .8	189 .2	161 .3	95 .9	98 .0	109 .0	141 .1
Sistan & Baluchestan	48 .8	74 .0	92 .8	130 .5	56 .2	68 .0	78 .4	104 .5	96 .5
Fars	205 .8	226 .7	374 .2	274 .2	239 .6	181 .9	288 .0	105 .8	260 .0
Qazvin	267 .0	422 .2	283 .2	323 .0	283 .6	250 .9	157 .0	157 .8	254 .1
Qom	99 .0	141 .74	173 .7	223 .4	215 .0	124 .3	94 .3	157 .1	140 .9
Kordestan	309 .7	472 .4	392 .5	442 .1	383 .4	315 .6	331 .8	515 .7	432 .6
Kerman	58 .8	79 .3	135 .1	82 .2	92 .1	90 .7	80 .5	57 .1	106 .2
Kermanshah	285 .2	432 .6	472 .8	399 .0	244 .3	206 .7	284 .2	452 .9	403 .9
Kohgiluyeh & Boyerahmad	286 .5	426 .2	386 .1	431 .7	610 .7	413 .2	654 .4	343 .8	546 .4
Golestan	302 .7	568 .0	557 .6	422 .6	377 .4	353 .2	0 .255	422 .9	418 .6
Gilan	897 .2	1231 .0	1011 .6	850 .7	770 .7	949 .6	645 .9	936 .6	1062 .7
Lorestan	336 .2	331 .1	591 .7	557 .2	334 .4	284 .3	320 .3	381 .4	447 .8
Mazandaran	570 .2	909 .2	774 .5	770 .0	578 .2	608 .7	443 .3	709 .1	705 .2
Markazi	191 .0	238 .3	314 .6	331 .1	260 .8	173 .4	171 .6	160 .3	266 .6
Hormozgan	93 .9	73 .5	192 .0	249 .3	69 .9	196 .4	129 .6	100 .0	153.1
Hamedan	248 .5	350 .9	395 .4	424 .8	313 .5	152 .4	183 .1	278 .2	309.3
Yazd	46 .5	60 .3	59 .1	78 .0	112 .2	61 .1	112 .3	66 .5	79 .4

1. Statistics for Alborz are included with Tehran.
Source: I.R.I. Meteorological Organization.

1.4. AVARAGE PRECIPITATION HEIGHT RATIO IN OSTANS IN TERM AVERAGE THE YEAR 1402 TO THE LONG AVERAGE

For data see Table 1.13.

1.14. VOLUME OF PRECIPITATION IN THE MAIN BASINS (bln m)

Aquatic year	Total country	Caspian Sea	Persian Gulf & Oman Sea	Lake Orumiyeh	Central Plateau	Eastern Border	Qareh Qum
The 51-year average (from the years 1347-1348 through 1397-1398).....	406	76	155	18	136	11	10
1385-1386.....	458	82	164	20	166	16	11
1390-1391.....	337	90	96	15	117	8	11
1395-1396.....	378	60	157	14	133	6	8
1397-1398.....	555	100	227	26	176	12	14
1398-1399.....	516	86	191	19	192	15	13
1399-1400.....	256	60	89	15	83	5	5
1400-1401.....	331	66	131	15	105	7	7
***1401-1402*.....**	***345***	***68***	***147***	***16***	***103***	***7***	***4***

Source: Ministry of Energy.