

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. The land of Iran 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, Oman Sea and the Persian Gulf on the south, and Iraq and Türkiye on the west

Administratively, the country is divided into several Ostans and 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, southern and central and eastern ranges. The northern mountain ranges have extended from Ararat Mountain in Türkiye to Hindu Kush Mountain in Afghanistan,

including Alamdar, Sahand, Sabalan, Talesh, Qafan Kuh mountains in Azarbaijan, 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 4465 meters height.

The largest Iranian islands that are mainly located at the 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 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 Shahr (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: This 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.

In the year 1401, 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 100,000 km² based on the statistics of the year 1398. Tehran Ostan, with an area of about 13.5 thousand km², ranks 29th among the nation's Ostans.

In the year 1401, Iran has 31 Ostans (provinces), 478 Shahrestans (sub-provinces), 1172 Bakhshes (counties), 1433 Shahrs (cities), and 2745 Dehestans (rural agglomerations).

In the year 1401, the highest and lowest average temperatures in Ostans' capitals are for Bandar Abbas with 27.0°C and Ardebil with 9.7°C, respectively. Furthermore, Ahvaz with 54.0°C and Ardebil with -33.8°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 Yasuj, which amounted to 992.0 and 902.0 mm, respectively, and Semnan and Bandar Abbas with 75.0 and 75.0 mm, respectively had the lowest annual precipitation amongst all Ostans' capitals.

In the year 1401, the maximum frosty days go to Shahr-e-Kord with 138 days, Hamedan with 115 days, and Orumiye with 108 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 1400-1401 was approximately 331 billion m³. The share of each basin is as follows: the Caspian Sea, 66 billion m³; the Persian Gulf and the Oman Sea, 131 billion m³; the Lake of Orumiye, 15 billion m³; Central Plateau, 105 billion m³; Eastern border, 7 billion m³; and Qareh Qum, 7 billion m³.

1.1. LENGTH OF IRANIAN BORDERLINES, THE YEAR 1401 (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 1401

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

Source: Armed Forces Geographical Organization.

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

Year	Number of Shahrestans	Number of Bakhshes	Number of Shahrs	Number of Dehestans
1385	336	889	1015	2400
1390	400	994	1166	2507
1395	429	1058	1246	2589
1397	435	1079	1331	2610
1398	448	1101	1361	2638
1399	457	1126	1395	2674
1400	470	1161	1428	2723
1401	478	1172	1433	2745

Source: Ministry of the Interior.

1.4. GENERAL CHARACTERISTICS OF OSTANS ACCORDING TO THE ADMINISTRATIVE DIVISIONS AT THE END OF THE YEAR 1401

Ostan	Capital of Ostan	Area ^(1,2) (sq km)	Number of Shahrestans	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Total country.....	××	1630847 .9	478	1172	1433	2745
East Azarbayejan.....	Tabriz	45468 .86	21	48	70	146
West Azarbayejan.....	Orumiyeh	37542 .95	20	46	48	120
Ardebil.....	Ardebil	17875 .54	12	31	32	75
Esfahan.....	Esfahan	107116 .1	28	55	114	133
Alborz.....	Karaj	5182 .03	7	14	18	31
Ilam.....	Ilam	20164 .11	12	29	27	55
Bushehr.....	Bushehr	22911 .22	10	27	40	52
Tehran.....	Tehran	13538 .43	16	35	49	73
Chaharmahal & Bakhtiari.....	Shahr-e-Kord	16320 .98	11	27	43	53
South Khorasan.....	Birjand	151018 .3	11	28	31	66
Khorasan-e-Razavi.....	Mashhad	119063 .9	34	83	96	180
North Khorasan.....	Bojnurd	28385 .52	9	21	25	47
Khuzestan.....	Ahvaz	64426 .29	30	71	90	147
Zanjan.....	Zanjan	21733 .12	8	19	21	50
Semnan.....	Semnan	97750 .91	8	16	21	33
Sistan & Baluchestan.....	Zahedan	182312 .1	26	68	55	145
Fars.....	Shiraz	122199 .4	37	97	121	222
Qazvin.....	Qazvin	15594 .92	6	19	28	46
Qom.....	Qom	11454 .75	3	7	6	13
Kordestan.....	Sanandaj	29201 .32	10	31	33	86
Kerman.....	Kerman	181152 .3	24	62	84	158
Kermanshah.....	Kermanshah	25186 .86	14	34	35	87
Kohgiluyeh & Boyerahmad.....	Yasuj	15505 .44	9	22	20	50
Golestan.....	Gorgan	20411 .88	14	27	35	60
Gilan.....	Rasht	13988 .14	17	46	56	113
Lorestan.....	Khorramabad	28090 .74	12	36	33	90
Mazandaran.....	Sari	23771 .16	22	58	63	133
Markazi.....	Arak	29196 .19	12	24	34	67
Hormozgan.....	BandarAbbas	71088 .41	13	40	50	88
Hamedan.....	Hamedan	19372 .2	10	26	32	75
Yazd.....	Yazd	73823 .83	12	25	23	51

1. Referring to land area.

2. Including the statistics for the year 1398.

Source: Ministry of the Interior.

1.5. BAKHSHEs, SHAHRs AND DEHESTANS BY OStan AND SHAHRESTAN AT THE END OF THE YEAR 1401

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Total country	1172	1433	2745
EastAzarbayejan	48	70	146
Azarshahr	3	4	7
Osku	2	3	5
Ahar	2	1	7
Bostanabad	2	3	9
Bonab	1	2	3
Tabriz	3	4	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
Maragheh	2	2	6
Marand	3	6	10
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.....	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	32	75
Ardebil.....	3	4	10

1.5. BAKHSSES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1401 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Aslanduz	2	1	4
Ungut	2	1	4
Bilehsavar	2	2	4
Parsabad.....	3	4	6
Khalkhal	3	3	8
Sareyn	2	2	4
Kowsar.....	2	1	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

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1401 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Nazarabad.....	2	2	5
Ilam	29	27	55
Abdanan.....	3	3	6
Ilam.....	2	2	4
Ivan	2	2	4
Badreh.....	2	2	5
Chardavel	3	4	5
Chavar.....	2	1	4
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	4
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 & Bakhtiari	27	43	53
Ardal	2	4	4
Borujen	3	6	5
Bon	2	3	4
Khan Mirza.....	2	1	4

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1401 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Saman	2	2	4
Shahr-e-Kord	3	9	6
Farsan	3	7	5
Felard.....	2	1	4
Kuhrang	3	3	7
Keyar	2	4	4
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
Zeerkooch.....	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
Bardaskan	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

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1401 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
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	21	25	47
Esfarayen	2	1	5
Bojnurd	2	3	5
Bam Va Safiabad.....	2	1	4
Jajarm	3	3	5
Raz & Jargalan.....	3	3	6
Shirvan.....	3	5	9
Faruj	2	2	5
Garmeh	1	3	2
Maneh and Samalqan.....	3	4	6
Khuzestan.....	71	90	147
Abadan.....	2	3	6
Aghajaree.....	2	2	2
Omidyeh	2	3	3
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	2	1	4
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
Hendiyan	2	2	4

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1401 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
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
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
Sibsavarani.....	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

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1401 (continued)

Ostan and Shahrestan	Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs
Fars	97	121	222
Abadeh.....	2	5	5
Arsanjan.....	1	1	3
Estahban	2	3	3
Eqlid	3	4	8
Oz	2	2	4
Bakhtegan	2	1	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	2	3
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	6	13
Jafar Abad.....	2	1	4
Kahak	2	1	4
Qom	3	4	5

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1401 (continued)

Ostan and Shahrestan	Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs
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.....	62	84	158
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
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.....	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

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1401 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
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	35	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
Gonbad-e-Kavus	2	3	6
Marave-Tapeh.....	2	2	4
Minudasht	2	2	4
Gilan.....	46	56	113
Astara	2	2	4
Astane-ye-Ashrafiyeh	2	2	6
Amlash	2	2	5
Bandar Anzali	1	1	2
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

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1401 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
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	58	63	133
Amol	5	6	11
Babol	6	7	13
Babolsar	3	3	6
Behshahr	2	3	5
Tonkabon	4	4	9
Juybar	2	2	4
Chalus	2	3	4
Ramsar	2	2	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	1	2
Galugah	2	1	4
Mahmoudabad	2	2	5
Miandorood	2	2	5
Neka	2	1	5
Nur	3	5	9
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.....	40	50	88

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1401 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Abumusa	2	1	2
Bastak	3	5	7
Bashagerd	3	2	6
Bandar Abbas	6	5	13
Bandar Lengeh	4	5	8
Parsiyan	2	3	4
Jask	2	2	5
Hajiabad	3	3	6
Khamir	2	3	4
Rudan	4	4	11
Sireek.....	2	3	4
Qeshm	3	7	7
Minab	4	7	11
Hamedan.....	26	32	75
Asadabad	2	3	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.....	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 1401

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 1401 (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	325.9	80.0
Ardebil	15.9	3.5	9.7	-33.8	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	-19.4	43.0	123.0	48.0
Ahvaz	32.9	17.8	25.4	-0.7	54.0	197.2	107.0
Ilam	23.2	11.1	17.2	-13.9	42.2	551.7	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	245.7	168.0
Birjand	24.8	8.5	16.7	-21.5	44.0	160.2	52.0
Tabriz	18.4	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	490.1	94.0
Rasht	20.8	11.7	16.2	-19.0	40.0	1312.9	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	306.4	50.6
Sari	23.0	13.6	18.3	-3.0	42.6	739.7	112.0
Semnan	23.9	12.6	18.3	-12.6	44.4	134.5	41.0
Sanandaj	21.9	5.9	13.9	-31.0	44.0	425.2	73.0
Shahr-e-Kord	20.4	3.1	11.8	-32.4	42.0	313.8	88.8
Shiraz	25.9	9.9	17.9	-14.0	43.4	322.7	128.0
Qazvin	21.4	7.0	14.2	-24.0	43.0	307.6	50.0
Qom	25.9	10.8	18.4	-23.0	47.0	132.6	90.0
Karaj.....	21.4	8.9	15.1	-17.0	42.0	246.2	57.0
Kerman	25.0	7.2	16.1	-30.0	42.0	140.7	60.0
Kermanshah	23.1	6.4	14.7	-27.0	44.1	422.6	108.0
Gorgan	23.1	12.7	17.9	-10.2	46.3	559.4	147.0
Mashhad	21.6	7.6	14.6	-28.0	43.8	245.8	52.0
Hamedan	19.9	3.9	11.9	-32.8	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 1401 (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	2847.7	35
Ardebil	88.8	52.1	112.9	2458.5	37
Orumiyeh....	78.0	40.7	103.0	2780.5	31
Esfahan	57.1	22.6	69.8	3071.9	31
Ahvaz	62.6	27.0	2.8	2792.3	40
Ilam	54.5	26.2	38.3	2986.6	140
Bojnurd	79.1	38.2	87.0	2750.5	45
Bandar Abbas	81.6	46.2	0.0	2990.1	30
Bushehr	79.4	53.7	0.0	2856.7	30
Birjand	51.9	20.5	74.5	3123.6	26
Tabriz	70.3	35.7	91.6	2706.2	30
Tehran	54.7	26.5	40.4	2882.0	33
Khorramabad.....	64.2	27.8	48.1	2880.0	30
Rasht	95.6	65.7	20.9	1567.8	31
Zahedan	48.4	18.2	51.0	3088.5	41
Zanjan	74.5	36.0	111.3	2788.0	28
Sari	92.1	59.3	8.0	1978.9	27
Semnan	52.8	28.3	41.8	2943.6	26
Sanandaj	69.4	27.7	95.5	2797.6	25
Shahr-e-Kord	66.6	28.1	121.9	3042.8	32
Shiraz	59.9	22.8	45.5	3233.8	30
Qazvin	73.1	32.2	84.6	2869.9	39
Qom	60.5	26.3	50.8	3008.0	31
Karaj.....	68.9	31.0	59.5	2872.6	27
Kerman	50.0	18.2	83.6	3105.4	50
Kermanshah	64.7	27.4	84.2	2765.1	35
Gorgan.....	86.3	53.0	17.2	2045.8	31
Mashhad	72.1	35.0	79.8	2846.3	25
Hamedan	73.2	32.9	110.5	2814.1	31
Yasuj	64.6	23.5	67.2	3140.7	30
Yazd	44.4	18.7	42.8	3136.5	50

Source: I. R. Iran Meteorological Organization.

1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1401

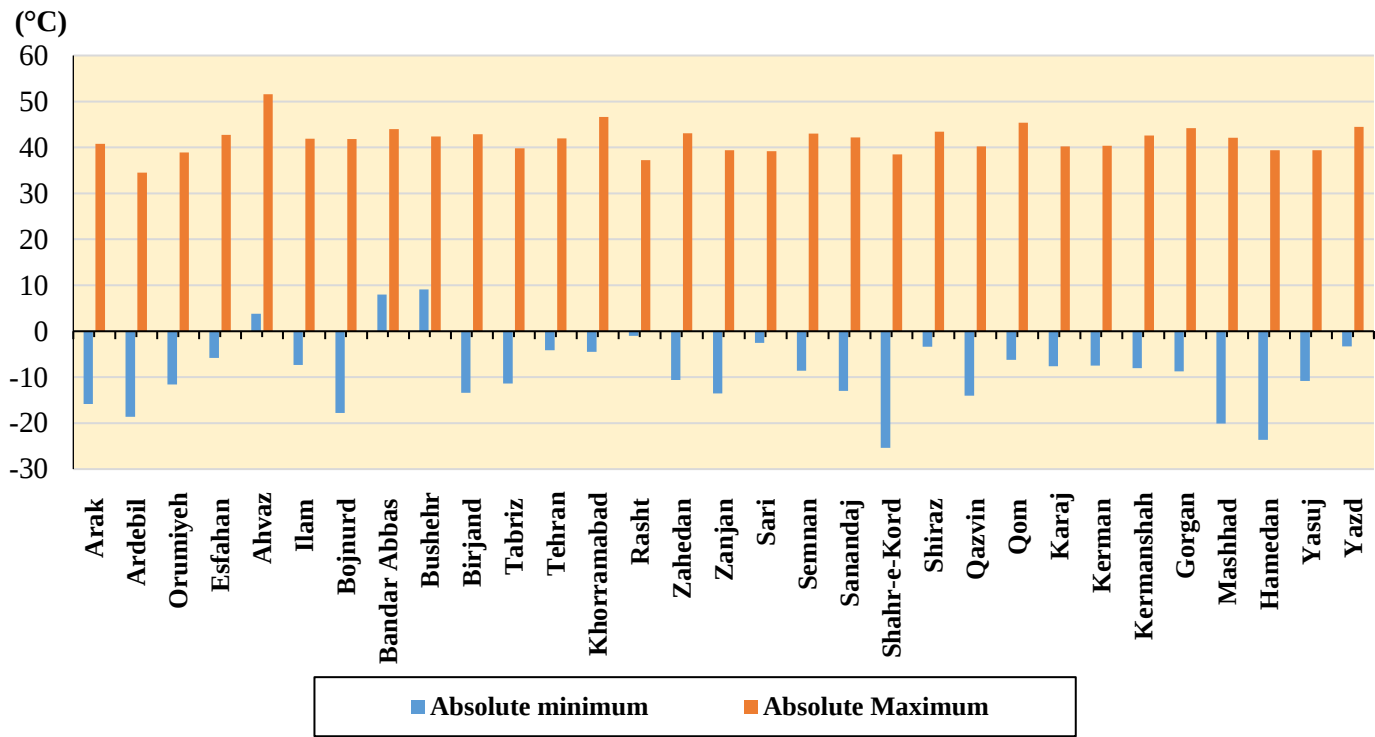
Capital of Ostan	Air temperature (°C)					Annual precipitation (mm)
	Average max	Average min	Mean	Absolut min	Absolut max	
Arak	22.3	8.1	15.2	-15.8	40.8	186.2
Ardebil	17.1	4.8	11.0	-18.6	34.5	210.4
Orumiyeh	20.1	5.7	12.9	-11.6	38.9	203.9
Esfahan	26.0	10.8	18.4	-5.8	42.7	135.8
Ahvaz	34.9	20.2	27.6	3.8	51.6	219.8
Ilam	25.2	11.3	18.2	-7.3	41.9	419.9
Bojnurd	21.3	7.0	14.1	-17.8	41.8	171.6
Bandar Abbas	33.3	22.4	27.9	8.0	44.0	75.1
Bushehr	30.5	23.0	26.7	9.1	42.4	300.2
Birjand	26.6	9.0	17.8	-13.4	42.9	90.6
Tabriz	20.6	8.6	14.6	-11.4	39.8	177.9
Tehran	24.0	14.2	19.1	-4.1	42.0	186.6
Khorramabad.....	27.3	10.6	18.9	-4.5	46.6	281.7
Rasht	21.8	13.4	17.6	-1.0	37.2	991.8
Zahedan	28.1	11.8	20.0	-10.6	43.1	76.7
Zanjan	20.6	5.2	12.9	-13.5	39.4	226.8
Sari	24.0	14.1	19.0	-2.5	39.2	545.2
Semnan	25.2	13.8	19.5	-8.6	43.0	74.6
Sanandaj	23.7	7.3	15.5	-13.0	42.2	277.7
Shahr-e-Kord	21.2	2.1	11.7	-25.4	38.5	326.0
Shiraz	27.2	11.2	19.2	-3.4	43.4	271.3
Qazvin	23.0	7.8	15.4	-14.0	40.2	174.8
Qom	28.0	11.8	19.9	-6.2	45.4	102.4
Karaj.....	23.0	10.0	16.5	-7.6	40.2	161.8
Kerman	26.2	8.7	17.5	-7.5	40.4	92.3
Kermanshah	25.2	8.7	16.9	-8.0	42.6	290.9
Gorgan.....	24.9	12.1	18.5	-8.7	44.2	267.9
Mashhad	23.2	10.1	16.7	-20.1	42.1	181.6
Hamedan	20.9	4.1	12.5	-23.6	39.4	150.8
Yasuj	23.5	8.3	15.9	-10.8	39.4	901.9
Yazd	27.8	14.4	21.1	-3.3	44.5	118.4

1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1401 (continued)

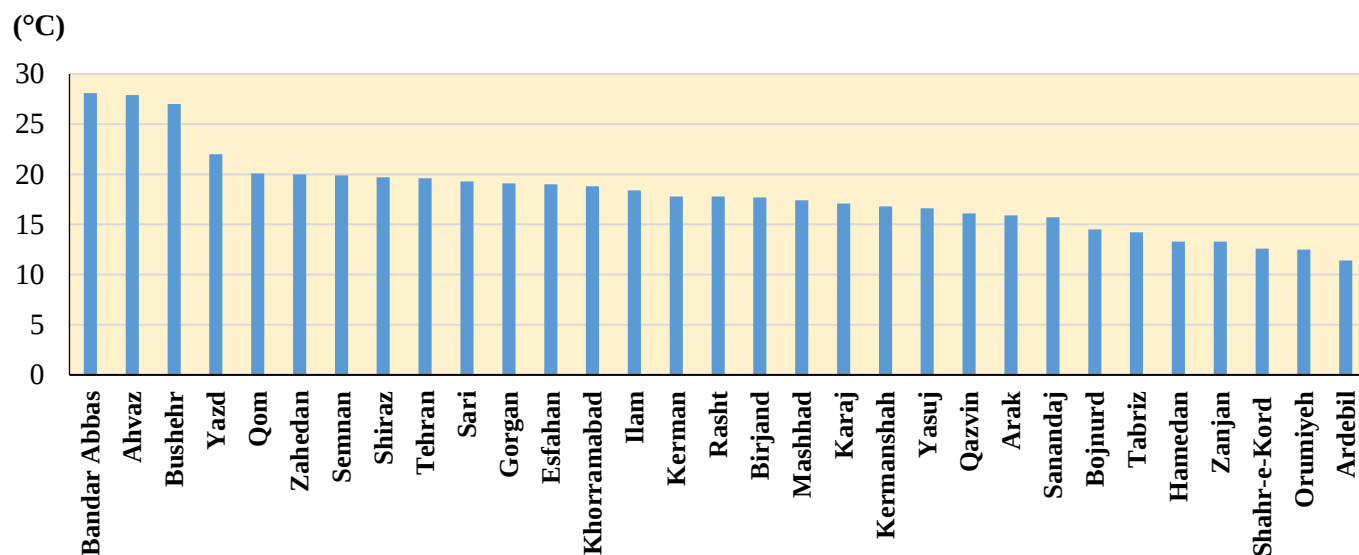
Capital of Ostan	Annual precipitation (mm)	Max. daily precipitation (mm)	Mean of relative humidity (%)		Number of frosty days	Number of dusty days	Bright sunshine (hours)	Max. wind speed (Mps)
			Max	Min				
Arak	186.2	27.5	56.0	29.2	76	167	2922.5	20
Ardebil	210.4	22.0	87.8	48.7	94	24	2630.1	32
Orumiyeh	203.9	18.9	74.0	34.6	108	22	2999.6	16
Esfahan	135.8	22.6	49.2	21.6	54	56	3188.5	31
Ahvaz	219.8	30.0	60.0	26.8	0	78	3037.5	12
Ilam	419.9	72.0	51.9	25.7	40	103	3068.7	20
Bojnurd	171.6	17.0	74.8	34.3	92	53	2965.1	18
Bandar Abbas	75.1	17.0	78.5	41.1	0	18	3263.8	14
Bushehr	300.2	36.0	76.3	54.3	0	47	2363.8	24
Birjand	90.6	20.0	44.2	13.4	65	51	3531.8	17
Tabriz	177.9	17.3	63.1	30.7	84	33	2848.7	18
Tehran	186.6	25.0	45.0	20.5	26	40	3025.1	25
Khorramabad.....	281.7	21.0	58.3	23.3	43	68	3160.0	15
Rasht	991.8	65.0	99.1	62.8	5	0	1808.2	15
Zahedan	76.7	28.0	41.2	17.3	43	82	3361.6	18
Zanjan	226.8	36.0	71.8	30.4	107	47	2859.2	19
Sari	545.2	39.0	91.3	55.7	9	0	2032.1	15
Semnan	74.6	9.0	42.8	21.0	38	22	3212.6	16
Sanandaj	277.7	49.0	62.5	23.5	81	60	3080.8	14
Shahr-e-Kord	326.0	37.0	60.5	23.5	138	61	3159.5	28
Shiraz	271.3	43.0	57.2	21.2	31	92	3272.5	16
Qazvin	174.8	19.7	73.0	32.5	81	13	2959.7	20
Qom	102.4	18.0	73.5	23.6	44	81	3233.3	23
Karaj.....	161.8	16.0	66.3	27.5	51	37	3069.6	23
Kerman	92.3	17.6	47.7	19.4	53	34	3476.3	23
Kermanshah	290.9	32.0	51.4	17.5	62	64	3025.4	20
Gorgan.....	267.9	42.0	90.7	51.0	33	9	2448.1	23
Mashhad	181.6	26.0	69.1	39.5	54	29	3039.8	20
Hamedan	150.8	20.0	64.3	28.2	115	49	3060.5	26
Yasuj	901.9	68.0	65.7	22.2	60	70	3153.3	14
Yazd	118.4	48.0	41.2	19.4	22	95	3328.5	24

Source: I. R Iran Meteorological Organization.

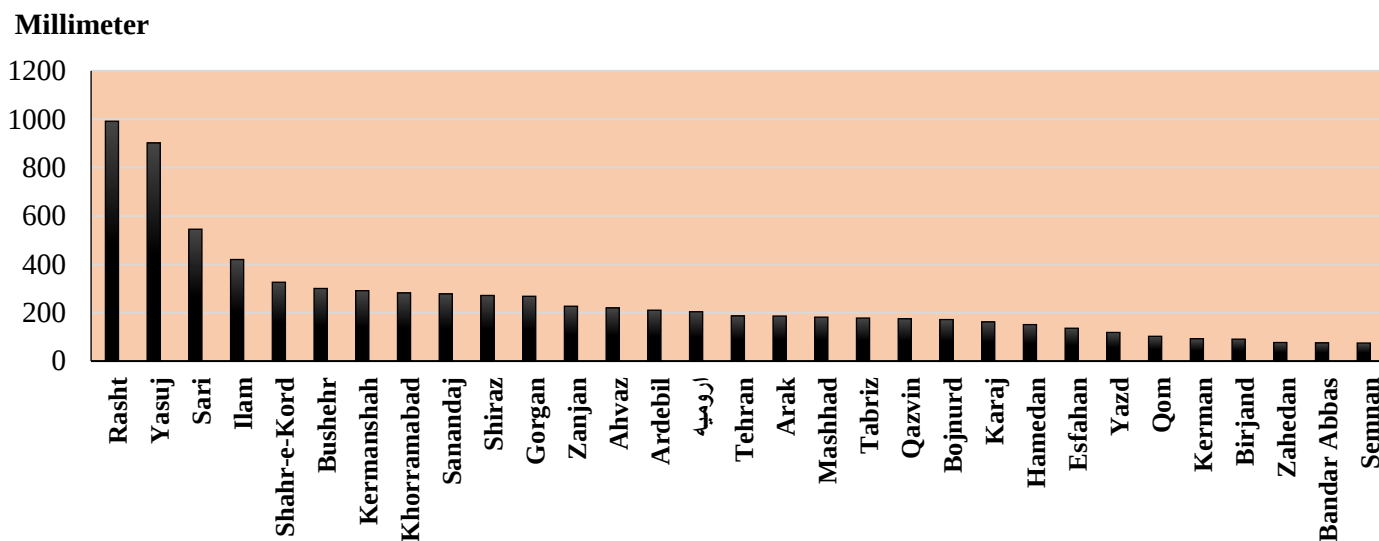
1.1. ABSOLUTE MAXIMUM AND MINIMUM TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1401



For data see Table 1.7.

1.2. AVERAGE ANNUAL TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1401

For data see Table 1.7.

1.3. ANNUAL RAINFALL IN THE CAPITALS OF OSTANS, THE YEAR 1401

For data see Table 1.7.

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1401 (°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	28.2	-2.2	14.1	30.7	6.4	17.8	38.4	9.4	24.1
Ardebil	28.5	-7.2	9.0	28.1	2.1	12.0	33.6	1.0	17.4
Orumiyeh	26.5	-6.1	10.3	26.5	3.8	14.2	35.0	3.9	21.1
Esfahan	30.8	1.2	18.0	35.0	9.5	21.6	39.6	14.6	27.3
Ahvaz	40.2	11.7	25.5	44.6	17.6	30.2	51.1	20.5	36.4
Ilam	29.2	-1.7	15.5	32.2	7.0	18.4	41.6	11.3	26.4
Bojnurd	30.4	-1.2	11.5	30.0	6.0	16.8	38.0	6.0	21.7
Bandar Abbas	39.7	16.1	27.3	41.2	20.3	30.0	44.0	23.6	33.4
Bushehr	39.2	15.2	24.5	41.4	21.2	28.1	37.0	23.8	30.4
Birjand	32.9	-1.9	18.0	35.2	8.3	22.6	39.5	8.5	24.9
Tabriz	26.6	-2.4	11.1	27.2	4.2	15.5	36.2	8.7	23.5
Tehran	29.6	4.4	17.8	32.0	10.6	22.1	37.9	12.7	27.9
Khorramabad.....	30.4	-0.7	15.8	34.0	6.6	19.6	43.5	9.7	27.1
Rasht	30.6	3.0	13.7	28.6	10.0	18.0	31.4	11.6	23.5
Zahedan	35.4	4.2	21.2	39.9	11.2	25.6	41.6	12.8	27.1
Zanjan	27.1	-4.6	10.9	28.8	1.3	14.5	36.8	2.9	21.0
Sari	39.2	5.4	15.9	35.6	11.8	19.5	37.2	12.2	24.5
Semnan	31.0	3.8	18.5	33.6	12.0	22.7	39.0	12.4	28.2
Sanandaj	29.5	-2.4	13.2	31.2	3.6	16.5	40.2	7.4	23.9
Shahr-e-Kord	25.2	-11.3	10.7	29.5	-2.5	14.0	36.3	-0.7	19.1
Shiraz	30.6	-0.6	18.1	37.0	8.8	21.7	41.2	12.2	27.5
Qazvin	30.0	-1.5	13.2	32.7	4.4	17.8	37.4	3.3	23.9
Qom	34.4	2.7	18.8	37.6	10.0	23.6	42.5	13.4	29.5
Karaj.....	29.8	-2.0	14.8	31.4	7.0	18.8	37.1	7.6	25.1
Kerman	31.1	0.9	17.6	35.6	7.2	21.2	38.2	8.4	24.8
Kermanshah	30.1	-3.0	14.2	32.6	5.4	17.5	40.4	8.6	24.6
Gorgan.....	34.8	1.1	14.3	38.2	8.9	19.1	44.2	8.0	25.6
Mashhad	33.5	1.5	15.9	33.5	9.8	20.7	38.4	10.8	24.9
Hamedan	26.9	-6.3	11.2	28.6	1.0	14.3	37.0	3.9	20.6
Yasuj	34.0	-1.2	14.5	31.4	3.8	16.9	37.4	8.2	23.2
Yazd	33.7	6.4	21.3	38.7	13.3	24.8	41.1	17.0	29.7

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1401
(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	40.8	15.7	27.7	39.7	16.1	28.2	35.9	12.3	23.7
Ardebil	31.7	6.8	18.8	33.0	6.4	19.4	34.5	4.5	18.4
Orumiyeh	37.9	11.4	23.8	38.9	12.9	25.3	35.2	8.9	22.0
Esfahan	42.7	17.5	30.8	42.4	16.4	30.0	38.4	13.2	25.8
Ahvaz	50.5	27.6	38.9	51.6	26.2	39.5	47.7	21.7	36.4
Ilam	41.2	14.6	29.2	41.9	18.4	30.8	39.0	15.0	27.7
Bojnurd	41.8	13.2	26.2	38.0	10.4	24.9	34.6	8.0	21.2
Bandar Abbas	42.4	28.7	34.7	42.8	26.8	34.0	43.1	24.0	32.5
Bushehr	40.6	28.6	33.8	40.3	28.9	35.3	42.4	27.3	33.9
Birjand	42.9	14.3	29.5	42.3	11.0	27.7	37.2	9.2	23.0
Tabriz	39.8	15.1	27.4	39.8	18.3	29.2	36.2	13.1	25.1
Tehran	42.0	18.1	31.0	39.5	21.2	30.7	35.8	18.3	27.5
Khorramabad.....	46.6	15.4	31.1	45.7	17.5	32.4	41.4	14.0	28.5
Rasht	34.2	19.0	26.6	36.0	19.0	27.0	37.2	16.0	25.0
Zahedan	43.1	15.5	30.8	41.4	15.4	28.5	36.9	13.0	24.5
Zanjan	38.2	8.9	24.0	39.4	11.4	25.2	35.6	8.6	21.9
Sari	36.2	19.2	28.0	36.0	21.5	28.3	38.8	18.8	27.1
Semnan	43.0	21.6	32.6	41.4	20.0	31.6	38.2	17.2	28.0
Sanandaj	42.2	11.6	27.8	42.0	14.7	29.7	38.0	9.4	24.8
Shahr-e-Kord	38.5	4.1	23.5	38.3	7.7	23.3	33.0	3.3	19.0
Shiraz	43.4	18.6	31.0	41.4	17.0	29.0	37.2	9.8	25.7
Qazvin	39.9	13.5	27.1	40.2	13.4	27.4	36.7	11.5	24.1
Qom	45.4	17.9	32.3	44.0	18.5	32.4	40.2	14.5	27.7
Karaj.....	40.2	13.4	27.7	38.8	15.9	28.0	35.7	13.0	24.5
Kerman	40.4	14.2	28.2	39.9	11.9	25.9	34.9	8.3	22.1
Kermanshah	42.5	13.7	28.8	42.6	14.8	29.9	38.0	10.9	26.1
Gorgan.....	40.4	18.1	28.8	39.2	20.2	29.0	38.5	15.1	27.1
Mashhad	42.1	16.4	28.9	39.6	15.2	27.6	35.0	8.4	23.6
Hamedan	39.4	10.6	24.8	38.3	11.8	25.7	34.0	7.9	21.2
Yasuj	39.4	14.0	27.3	38.4	15.4	26.6	34.6	10.8	23.3
Yazd	44.5	21.9	33.3	44.5	19.1	31.5	38.9	15.7	27.8

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1401
(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	34.4	5.8	19.8	26.6	-1.0	11.6	18.4	-5.0	4.8
Ardebil	32.4	4.0	16.2	20.8	-1.6	8.9	18.6	-6.6	2.9
Orumiyeh	29.5	4.8	17.0	19.8	-2.6	8.8	16.8	-5.2	3.4
Esfahan	35.7	9.0	21.9	29.3	2.4	14.7	22.8	-4.1	7.0
Ahvaz	44.4	18.0	31.2	40.2	11.2	24.4	32.0	6.7	18.2
Ilam	34.1	10.2	22.8	28.4	3.8	14.9	20.7	0.0	8.6
Bojnurd	34.4	6.4	18.4	23.0	-4.2	9.4	22.0	-6.4	3.7
Bandar Abbas	39.8	18.9	30.8	36.3	18.0	27.2	33.5	9.7	22.0
Bushehr	37.0	22.6	30.3	33.5	17.8	26.6	31.1	12.3	20.6
Birjand	34.2	1.5	19.4	30.1	-3.0	14.3	23.6	-5.8	6.9
Tabriz	31.0	7.9	19.5	20.2	-0.5	10.0	17.2	-4.2	4.5
Tehran	34.9	13.9	24.0	26.7	6.2	15.0	19.3	2.0	8.7
Khorramabad.....	37.2	8.1	23.0	30.1	2.4	15.1	20.1	-1.3	8.7
Rasht	29.6	13.8	21.7	25.6	7.8	15.7	25.4	5.4	10.6
Zahedan	32.9	3.5	19.7	31.2	4.2	17.7	24.9	-3.9	7.8
Zanjan	32.6	2.4	17.9	22.5	-2.6	8.6	17.7	-7.8	3.5
Sari	37.0	14.0	24.1	26.0	6.8	16.8	27.0	2.5	11.6
Semnan	36.2	13.2	24.6	26.2	3.8	14.7	20.6	-1.0	8.4
Sanandaj	34.6	4.1	19.6	26.4	-3.3	11.2	18.5	-4.0	6.1
Shahr-e-Kord	31.7	-2.2	14.6	25.0	-3.2	9.7	17.9	-9.1	3.3
Shiraz	35.0	7.6	21.5	29.8	5.0	16.2	22.2	-1.5	8.8
Qazvin	33.8	7.5	20.4	24.5	-0.4	11.5	18.3	-3.6	5.3
Qom	38.9	9.4	23.4	33.5	2.7	15.3	22.9	-3.3	8.3
Karaj.....	34.2	9.8	21.7	25.0	2.5	12.6	18.8	-2.6	6.5
Kerman	32.2	2.4	18.3	28.4	2.4	14.5	21.9	-3.8	7.3
Kermanshah	35.1	4.7	20.7	28.7	-0.7	13.3	19.4	-4.4	8.1
Gorgan.....	40.2	12.8	24.3	26.2	3.6	15.4	26.1	-1.3	9.5
Mashhad	34.8	7.5	19.9	25.7	-0.6	0.12	24.1	-4.1	5.2
Hamedan	31.8	1.8	17.2	24.6	-4.6	9.3	15.5	-9.6	2.9
Yasuj	32.6	7.0	19.6	27.0	2.6	13.0	18.8	-2.4	6.7
Yazd	36.8	12.4	24.8	30.7	5.6	17.3	25.8	0.3	9.5

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1401
(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	8.4	-11.4	-1.7	11.9	-15.8	-0.8	21.7	-9.7	8.5
Ardebil	13.5	-18.6	-2.3	10.2	-17.8	-2.1	21.8	-12.0	7.6
Orumiyeh	7.3	-11.6	-1.1	10.7	-11.4	-2.5	21.0	-6.9	7.1
Esfahan	14.6	-5.8	2.4	16.0	-5.6	4.1	24.8	-1.3	11.5
Ahvaz	19.8	6.0	12.1	24.4	3.8	12.3	33.7	5.0	19.3
Ilam	16.3	-2.5	4.6	15.0	-7.3	3.2	23.0	-2.9	10.1
Bojnurd	14.4	-17.8	-0.8	16.2	-11.2	1.3	24.6	-4.8	9.7
Bandar Abbas	27.6	8.0	17.4	31.0	8.3	18.0	33.6	12.9	22.9
Bushehr	26.4	9.2	15.7	25.0	9.1	16.3	31.3	10.2	20.1
Birjand	16.9	-13.4	2.4	23.9	-8.6	5.2	26.9	-2.2	12.5
Tabriz	8.7	-10.4	-1.3	10.5	-11.4	-1.9	20.8	-4.6	7.6
Tehran	10.8	-4.1	3.6	12.1	-3.4	3.8	23.9	3.0	13.2
Khorramabad	14.7	-3.5	4.7	14.8	-4.5	4.4	24.6	-3.2	10.5
Rasht	21.6	-0.6	7.2	18.2	-1.0	6.6	34.2	2.4	11.6
Zahedan	19.8	-10.6	5.1	27.4	-7.8	9.4	27.2	1.4	16.0
Zanjan	9.1	-13.5	-2.2	9.4	-13.2	-3.1	21.7	-6.8	6.4
Sari	20.9	-2.5	7.1	22.3	-1.0	7.0	35.5	2.8	12.4
Semnan	11.4	-8.6	2.9	15.2	-5.2	3.5	24.8	0.8	13.4
Sanandaj	9.7	-8.6	0.5	12.5	-13.0	-0.6	23.0	-5.8	8.2
Shahr-e-Kord	8.4	-22.1	-3.8	9.1	-25.4	-3.6	18.9	-13.5	4.9
Shiraz	16.7	-3.4	5.2	21.0	-3.2	7.9	24.4	-0.8	12.3
Qazvin	10.6	-14.0	-0.3	11.2	-9.6	//	24.5	-7.1	9.2
Qom	16.3	-6.2	3.5	16.7	-5.9	4.4	29.9	0.6	13.5
Karaj.....	10.0	-7.6	1.5	13.0	-6.1	1.6	24.2	-2.5	11.1
Kerman	16.3	-7.2	4.3	23.9	-7.5	7.5	25.1	-3.2	12.9
Kermanshah	11.3	-6.6	3.2	12.4	-8.0	2.5	24.1	-5.9	10.8
Gorgan	20.6	-8.7	5.0	25.4	-5.0	5.5	33.5	//	12.1
Mashhad	14.6	-20.1	0.0	17.3	-8.6	3.1	27.3	-1.3	12.2
Hamedan	6.4	-23.6	-3.7	8.2	-23.0	-5.1	20.1	-5.9	6.9
Yasuj	0.12	-10.8	2.2	12.8	-5.4	3.1	20.6	-3.4	8.9
Yazd	19.8	-2.4	4.5	21.1	-3.3	6.9	27.1	2.6	15.8

Source: I. R. I. Meteorological Organization.

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

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	3.1	11.2	0.0	0.0	1.1	0.0
Ardebil	45.6	53.7	6.8	//	0.5	1.2
Orumiyeh.....	13.2	74.9	5.7	4.0	0.0	0.0
Esfahan	1.2	4.7	0.0	0.0	10.1	0.0
Ahvaz.....	0.0	4.2	0.0	0.0	0.0	0.0
Ilam	4.2	51.9	0.0	0.0	0.0	//
Bojnurd	27.2	37.9	3.1	0.0	2.4	//
Bandar Abbas	0.0	0.0	0.0	0.0	9.6	0.0
Bushehr.....	0.0	0.7	0.0	0.0	1.1	0.0
Birjand	1.6	8.5	0.0	0.0	0.0	0.0
Tabriz	24.3	50.2	//	4.0	0.0	3.0
Tehran.....	5.3	7.5	0.0	0.0	18.4	0.0
Khorramabad	4.2	29.6	0.0	0.0	0.0	0.0
Rasht	76.3	56.3	9.3	1.3	46.1	98.6
Zahedan	0.0	0.0	0.0	1.0	33.0	0.0
Zanjan	19.8	35.2	//	0.0	0.9	0.0
Sari	19	66.4	4.0	7.7	52.2	43.2
Semnan	3.0	27.8	//	0.0	8.1	//
Sanandaj	13.6	40.9	0.0	0.0	0.0	0.0
Shahr-e-Kord	//	2.6	0.0	0.0	15.8	0.0
Shiraz	0.0	9.4	0.0	0.0	7.0	0.0
Qazvin	15.3	19.1	0.5	0.0	3.9	//
Qom	1.0	14.6	0.0	0.0	31.0	0.0
Karaj.....	7.6	19.3	0.5	0.0	2.5	0.0
Kerman	3.0	0.8	0.0	0.0	1.8	2.9
Kermanshah.....	10.5	81.2	0.0	0.0	0.0	0.0
Gorgan.....	25.3	40.5	1.2	0.0	12.0	14.2
Mashhad	38.3	53.9	29.5	0.0	//	0.0
Hamedan	9.7	21.8	0.0	0.0	0.0	//
Yasuj	0.6	43.3	0.0	0.0	31.2	//
Yazd	0.0	4.6	0.0	0.0	56.4	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	30.5	4.7	44.2	80.4	10.9
Ardebil	19.5	15.5	7.1	22.5	6.7	31.3
Orumiyeh.....	10.0	9.0	27.7	13.3	20.5	25.6
Esfahan	0	20.7	1.4	53.4	37.6	6.7
Ahvaz	0	12.5	15.6	111.2	31.2	45.0
Ilam	0	23.2	21.4	180.2	77.7	60.9
Bojnurd	4.1	24.4	5.7	16.4	27.1	23.1
Bandar Abbas	0	3.2	0	39.3	23.0	0
Bushehr.....	0	56.1	18.2	209.3	10.9	3.9
Birjand	0	2.5	7.0	25.0	38.9	7.1
Tabriz	6.0	7.7	14.2	8.8	13.5	45.9
Tehran.....	0	10.3	28.2	24.0	62.6	30.3
Khorramabad.....	0	69.2	28.8	54.2	57.7	37.9
Rasht	133.3	111.9	176.1	101.0	121.1	60.6
Zahedan	0	0.7	0.7	12.0	3.6	25.6
Zanjan	3.0	31.6	16.4	20.0	25.5	74.2
Sari	101.8	69.0	56.5	20.6	89.3	15.3
Semnan	0	1.1	1.2	3.8	25.4	3.7
Sanandaj	4.4	30.8	26.8	28.2	46.7	86.3
Shahr-e-Kord	0	72.0	12.4	96.6	103.0	23.3
Shiraz	0	42.7	62.8	86.1	55.0	8.2
Qazvin	0	11.0	12.2	28.4	43.3	40.8
Qom	0	3.1	0.8	4.0	43.4	4.3
Karaj.....	0	11.8	13.9	23.5	43.4	39.2
Kerman	0	12.6	16.8	32.2	12.7	9.4
Kermanshah.....	0	18.5	11.8	78.3	40.1	50.4
Gorgan.....	16.2	96.8	20.0	9.6	20.6	11.4
Mashhad	//	9.4	8.0	8.6	16.0	17.5
Hamedan	0	7.2	5.9	39.6	47.9	18.4
Yasuj	0	160.2	41.1	237.2	314.3	73.8
Yazd	0	6.2	0	39.1	6.0	6.0

Source: I. R. I. Meteorological Organization.

1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS, BY THE YEAR 1401 (hour)

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	235.8	251.3	310.1	369.1	330.2	321.3
Ardebil	182.2	167.8	299.2	358.3	278.5	296.3
Orumiyeh.....	226.5	224.3	372.0	380.6	360.9	340.1
Esfahan	266.7	266.3	366.4	358.7	346.6	336.4
Ahvaz	260.3	258.5	350.5	342.4	345.1	323.6
Ilam	230.2	238.3	328.1	367.3	355.0	309.5
Bojnurd	224.8	170.8	372.2	368.0	342.0	346.9
Bandar Abbas	306.3	321.8	328.5	270.8	270.9	292.3
Bushehr	247.5	197.3	287.1	305.1	266.7	204.7
Birjand	312.5	321.1	377.7	379.2	355.5	345.8
Tabriz	203.7	214.6	338.4	345.3	345.0	330.2
Tehran	229.0	269.8	356.9	363.7	348.0	339.3
Khorramabad.....	254.1	261.3	350.9	366.4	353.6	337.3
Rasht	142.4	111.9	280.4	278.5	229.9	235.5
Zahedan	301.4	0.304	321.6	287.4	291.1	337.4
Zanjan	203.7	247.9	342.5	379.9	363.0	321.8
Sari	147.5	122.8	289.3	275.5	198.9	0.244
Semnan	256.7	255.2	354.1	370.9	335.6	340.2
Sanandaj	259.5	268.7	344.0	382.0	352.3	332.6
Shahr-e-Kord	282.6	285.1	360.4	354.3	305.5	325.3
Shiraz	279.0	299.2	366.9	342.6	312.4	327.2
Qazvin	214.7	255.6	339.4	364.9	348.2	332.9
Qom	262.0	280.7	357.4	367.3	357.4	341.1
Karaj.....	248.4	268.5	336.8	350.7	338.8	0.336
Kerman	317.1	328.2	365.4	359.3	329.0	342.1
Kermanshah.....	231.8	240.6	332.9	360.9	356.3	325.2
Gorgan.....	164.9	142.9	323.4	301.8	242.9	294.2
Mashhad	222.3	234.3	343.0	383.6	363.7	349.1
Hamedan	257.1	270.9	347.0	376.4	354.9	331.6
Yasuj	295.6	277.9	365.7	342.4	295.6	322.4
Yazd	286.1	282.0	369.6	362.2	338.8	340.9

1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS, BY THE YEAR 1401 (continued) (hour)

Capital of Ostan	Month					
	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	288.8	204.1	122.7	106.2	158.1	224.8
Ardebil	220.4	181.7	136.9	146.3	171.1	191.4
Orumiyeh	277.5	212.1	95.4	109.9	178.3	222.0
Esfahan	307.5	192.4	193.8	143.3	183.7	226.7
Ahvaz	291.1	177.3	195.4	113.3	163.2	216.8
Ilam	282.9	199.0	182.7	167.9	177.8	230.0
Bojnurd	256.1	191.9	152.7	183.4	143.4	212.9
Bandar Abbas	272.8	242.6	264.4	199.8	243.4	250.2
Bushehr	166.5	126.5	134.1	135.3	103.9	189.1
Birjand	321.1	245.6	231.6	212.0	201.9	227.8
Tabriz	256.5	203.5	92.8	162.9	154.1	201.7
Tehran	288.2	211.8	101.0	130.7	177.7	209.0
Khorramabad.....	299.5	196.0	185.5	152.7	181.2	221.5
Rasht	117.7	95.9	43.1	77.5	90.0	105.4
Zahedan	315.2	255.5	264.5	221.2	247.6	214.7
Zanjan	276.0	172.0	85.3	108.8	153.7	204.6
Sari	129.3	136.5	108.0	154.8	132.9	92.6
Semnan	293.1	223.9	190.1	174.6	202.4	215.8
Sanandaj	293.9	218.2	117.6	118.3	171.7	222.0
Shahr-e-Kord	305.3	195.7	179.3	160.3	181.2	224.5
Shiraz	304.0	231.0	214.2	166.4	192.8	236.8
Qazvin	266.6	201.1	123.0	142.7	154.8	215.8
Qom	295.2	204.9	172.3	157.87	209.6	227.6
Karaj.....	283.2	221.4	136.3	157.4	174.6	217.5
Kerman	319.3	248.1	229.7	176.5	218.4	243.2
Kermanshah	273.3	212.0	177.8	113.8	172.9	227.9
Gorgan.....	195.2	186.0	142.5	162.6	147.0	144.7
Mashhad	286.0	181.1	161.0	138.8	168.7	208.2
Hamedan	292.6	224.0	111.0	114.2	149.1	231.7
Yasuj	315.8	203.0	197.0	161.3	160.3	216.3
Yazd	304.6	224.4	204.8	192.0	195.9	227.2

Source: I. R. I. Meteorological Organization.

1.11. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1400 (mps)

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	13	20	12	11	10	10
Ardebil	20	18	16	14	17	14
Orumiyeh	16	12	12	15	14	7
Esfahan	28	21	16	17	15	10
Ahvaz	11	8	11	9	9	9
Ilam	12	19	16	15	19	18
Bojnurd	13	12	19	15	12	16
Bandar Abbas	11	10	9	11	9	8
Bushehr	11	7	9	7	8	10
Birjand	12	12	12	12	15	12
Tabriz	15	16	14	13	15	12
Tehran	15	20	16	16	12	9
Khorramabad.....	14	14	17	10	11	10
Rasht	16	6	7	5	6	12
Zahedan	15	15	13	14	13	14
Zanjan	21	20	14	19	16	16
Sari	18	12	7	7	7	7
Semnan	15	15	12	13	15	9
Sanandaj	14	12	12	8	10	11
Shahr-e-Kord	25	23	25	26	19	16
Shiraz	12	12	12	9	15	8
Qazvin	18	18	23	14	22	16
Qom	21	27	26	15	17	13
Karaj.....	18	20	19	15	17	15
Kerman	22	20	22	16	19	14
Kermanshah	12	20	13	11	19	13
Gorgan.....	14	18	15	12	12	16
Mashhad	19	13	13	12	14	12
Hamedan	27	22	23	20	24	16
Yasuj	14	9	8	12	9	8
Yazd	22	28	20	14	15	17

1.11. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1401**(continued)****(mps)**

Capital of Ostan	Month					
	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	10	7	8	10	10	20
Ardebil	15	16	22	20	17	19
Orumiyeh....	10	6	10	8	6	12
Esfahan	13	12	20	22	23	30
Ahvaz	8	10	10	9	9	12
Ilam	13	16	17	13	12	20
Bojnurd	15	14	13	15	14	18
Bandar Abbas	12	16	15	11	11	12
Bushehr	12	13	25	16	15	18
Birjand	11	10	9	11	12	14
Tabriz	13	12	18	13	10	15
Tehran	12	13	12	14	12	14
Khorramabad.....	10	12	13	10	14	17
Rasht	8	8	13	10	9	12
Zahedan	11	14	12	17	14	14
Zanjan	13	15	22	16	12	21
Sari	12	14	16	17	8	17
Semnan	9	10	10	13	17	10
Sanandaj	11	9	15	11	10	13
Shahr-e-Kord	17	20	18	20	20	25
Shiraz	10	7	7	10	14	13
Qazvin	14	10	14	16	14	20
Qom	12	17	18	18	16	21
Karaj.....	13	13	15	15	15	15
Kerman	16	15	15	19	19	22
Kermanshah	18	13	15	13	14	13
Gorgan.....	23	12	25	22	18	18
Mashhad	13	16	16	14	18	14
Hamedan	16	12	17	19	18	20
Yasuj	7	9	6	9	9	17
Yazd	13	50	14	16	20	28

Source: I. R. I. Meteorological Organization.

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

Capital of Ostan	Year							
	1385	1390	1395	1397	1398	1399	1400	1401
Arak	283	199	374	526	484	322	249	186
Ardebil	237	259	230	303	244	308	205	210
Orumiyeh	372	334	286	515	422	296	241	204
Esfahan	220	150	71	154	142	139	65	136
Ahvaz	184	89	113	332	351	186	95	220
Ilam	555	361	449	1029	760	283	190	420
Bojnurd	241	209	276	301	314	201	161	172
Bandar Abbas	277	58	149	118	418	70	247	75
Bushehr	224	124	80	358	288	243	118	300
Birjand	135	95	97	197	136	149	140	91
Tabriz	129	272	263	364	241	315	233	178
Tehran	227	316	194	272	380	307	137	187
Khorramabad.....	510	286	563	889	784	373	288	282
Rasht	1476	1637	1479	1084	1703	1296	1237	992
Zahedan	55	47	55	52	136	50	25	77
Zanjan	308	366	230	307	385	315	189	227
Sari	684	919	824	888	862	631	744	545
Semnan	177	176	128	178	164	138	90	75
Sanandaj	449	373	317	551	412	364	224	278
Shahr-e-Kord	413	240	317	336	311	243	267	326
Shiraz	305	274	284	244	415	272	148	271
Qazvin	325	424	297	332	341	385	199	175
Qom	111	123	139	205	235	191	142	102
Karaj.....	302	351	211	353	419	383	175	162
Kerman	134	108	98	101	129	186	89	92
Kermanshah	430	415	457	692	686	350	143	291
Gorgan.....	522	724	491	647	504	266	408	268
Mashhad	223	254	287	238	306	251	108	182
Hamedan	283	313	344	519	428	373	163	151
Yasuj	777	661	533	1055	865	907	632	902
Yazd	44	22	24	70	100	51	62	118

Source: I. R. I. Meteorological Organization.

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

Ostan	Year								Long term
	1385	1390	1395	1397	1398	1399	1400	1401	
Total country...	147/6	205/9	233.2	323.5	312.8	278.8	235.0	238.0	287.6
East Azarbayejan	204/8	205/9	279.0	262.7	234.1	242.0	192.3	175.5	245.1
West Azarbayejan	289/8	407/6	319.2	434.4	317.4	268.6	249.2	210.4	289.1
Ardebil	195/2	378/9	338.2	248.8	243.1	319.5	252.3	195.9	278.1
Esfahan.....	127/9	144/6	128.9	224.4	176.3	75.0	106.2	155.9	165.8
Alborz	000 ⁽¹⁾	000 ⁽¹⁾	403.9	191.3	308.8	402.8	241.1	184.4	298.2
Ilam	245/6	262/1	430.5	614.9	525.4	302.3	168.0	362.7	410.7
Bushehr	0/174	124/3	268.6	256.9	259.2	231.6	201.9	219.1	196.2
Tehran	0/185 ⁽¹⁾	0/381 ⁽¹⁾	307.0	358.2	350.2	316.6	163.5	179.2	225.4
Chaharmahal & Bakhtiari	432/3	0/489	549.5	386.6	418.6	369.5	443.0	527.7	489.4
South Khorasan	36/5	99/1	94.4	129.5	121.4	98.3	87.0	61.2	108.7
Khorasan-e-Razavi	86/9	198/3	212.9	176.1	204.1	210.9	123.9	119.2	182.3
North Khorasan	185/5	300/7	282.6	207.4	229.5	223.7	175.9	166.9	199.3
Khuzestan.....	195/4	179/3	244.6	428.5	262.4	237.9	168.3	313.5	258.9
Zanjan	211/4	383/6	280.4	145.1	224.2	239.5	186.7	178.7	230.5
Semnan	105/2	156/4	131.8	186.2	189.2	161.3	95.9	98.0	135.8
Sistan & Baluchestan	48/8	74/1	92.8	58.3	130.5	56.2	68.0	78.4	88.6
Fars	205/8	226/7	374.2	211.3	274.2	239.6	181.9	288.0	253.2
Qazvin	0/267	422/2	283.2	299.2	323.0	283.6	250.9	157.0	224.9
Qom	0/99	141/74	173.7	155.8	223.4	215.0	124.3	94.3	153.0
Kordestan	309/7	472/4	392.5	484.4	442.1	383.4	315.6	331.8	395.4
Kerman.....	58/8	79/3	135.1	38.7	82.2	92.1	90.7	80.5	107.1
Kermanshah	285/2	432/6	472.8	510.0	399.0	244.3	206.7	284.2	373.0
Kohgiluyeh & Boyerahmad	286/5	426/2	386.1	621.8	431.7	610.8	413.2	654.4	486.9
Golestan	302/7	0/568	557.6	470.0	422.6	377.4	353.2	255.0	387.3
Gilan	897/2	1231/1	1011.6	623.8	850.7	770.7	949.6	645.9	915.1
Lorestan	336/2	331/1	591.8	620.5	557.2	334.4	284.4	320.3	456.7
Mazandaran	570/2	909/2	774.5	712.2	770.0	578.3	608.7	443.3	613.2
Markazi	0/191	238/3	314.6	378.1	331.1	260.8	173.4	171.6	245.6
Hormozgan	93/9	73/5	192.0	111.5	249.3	69.9	196.4	129.6	153.0
Hamedan	248/5	350/9	395.4	416.4	424.8	313.5	152.4	183.1	266.3
Yazd	46/5	60/3	59.1	64.6	78.0	112.2	61.1	112.3	82.5

1. Statistics for Alborz are included with Tehran.

Source: I.R.I. Meteorological Organization.

1.4. AVARAGE PRECIPITATION HEIGHT RATIO IN OSTANS
TERM AVERAGE IN THE YEAR 1401 TO THE LONG



For data see Table 1.13.

1.14. 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 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
1396-1397.....	278	70	90	21	86	4	6
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

Source: Ministry of Energy.