

Introduction

The statistical information that 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 Turkey 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 Turkey 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 a 4465 m height.

The largest Iranian islands that are mainly located at Persian Gulf and Hormuz Strait, are Qeshm, Kish, Lavan, Larak Shahri, Hormuz, Hengam Jadid (new Hengam), Kabudan, Ashk (Orumiyeh Lake), Faroor Bozorg (Greater Faroor), Hendurabi, Khark, Minou, Siri, Khan, Abu Mosa, Espir (Orumiyeh Lake), Tonb Bozorg (Greater Tonb), Morghi, Kharku, Arezoo (Orumiyeh Lake), Faroor Kuchak (Small/Lesser Faroor) and Tonb Kuchak (Small/Lesser Tonb).

The Caspian Sea (the world's largest lake) lies on the north of Iran and connects Iran to European countries through Russian waterways. The water of the most of the Iranian lakes is salty. The major internal lakes are: Orumiyeh, Namak, Hamoun Jazmourian, Hamoun-e-Saberi, Bakhtegan, Toshak, Hamoun-e-Pouzak, Maharlu, Hamoun-e-Hirmand, Talab-e-Anzali (Anzali lagoon), Howz-e-Sultan, Parishan and Zarivar of Marivan.

2. Climate

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

or backing onto humid winds in terms of rainfall amount and vegetation.

The country generally features three climatic zones:

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

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

2.1. Cold mountainous climate: about 40000 sq km of the total country consists of major highlands, including Alborz and Zagross mountain ranges, as well as Sahand and Sabalan high peaks. The annual precipitation in these regions exceeds 500 mm.

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

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

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

Notes:

1. Some capitals of Ostans have several synoptic stations and the data appeared here are from those

located at the airports of Ostan's capitals.

2. Central basins, Hamun and Sarakhs, were renamed Central Plateau, Eastern Border, and Qareh Qum basins, respectively in the year 1383.

The Statistics in this Chapter have been gathered from the Armed Forces Geographical Organization, Ministry of the Interior, I.R. of Iran Meteorological Organization, and Iran Water Resource Management Company. It is necessary to mention that the provided statistics were produced by a register-based method.

Definitions and concepts

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

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

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

Dehestan (rural agglomeration): This 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): These are stations at work simultaneously across the world and are responsible for measuring various climatic features and atmospheric parameters according to instructions determined by the World Meteorological Organization and communicating the results on the telecommunication networks around the clock.

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 a percentage ratio of available water vapor in a specific temperature or the amount of water vapor that air can preserve under that temperature.

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

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

Water basin: This is an area over which surface run-off flows via a specific route, and is collected into an outlet.

Aquatic year: It refers to the measurement of the precipitation in a twelve-month period for a specific area which starts from the first day of the month of Mehr to the end of the month of Shahrivar of the next year in Iran.

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

Hydrometric stations: They refer to the stations

located in the rivers, lake, river mouth and dams reservoir in which quantitative and qualitative data on water are collected and recorded.

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

Selected information

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

In the year 1400, Sistan & Baluchestan, Kerman, South Khorasan, Fars, Khorasan-e-Razavi and Esfahan were among the largest Ostans in the country, respectively, and each of them has an area of more than 100000 Km² based on the statistics of the year 1398. Tehran Ostan with an area of about 13.5 thousand Km² ranks the 29th among the nation's Ostans.

In the year 1400, Iran has 31 Ostans (provinces), 470 Shahrestans (sub-provinces), 1161 Bakhshes (counties), 1428 Shahrs (cities) and 2723 Dehestans (rural agglomerations).

In the year 1400, the highest and lowest average temperatures in Ostans' centers are for Bandar Abbas with 28.1°C and Ardebil with 11.4°C, respectively. Furthermore, Ahvaz with 51.2 °C and Shahr-e-kord with -24.9 °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 1237.0 and 744.4 mm, respectively, and Zahedan and Yazd with 24.6 and 62.4 mm, respectively had the lowest annual precipitation amongst all Ostans' capitals. In the year 1400, the maximum frosty days go to Shahr-e-Kord with 127 days, Zanjan with 115 days, and Orumiyeh with 113 days, but Ahvaz, Bandar Abbas and Bushehr experienced no frosty day.

The volume of precipitation in national main basins during the aquatic year of 1399-1400 was approximately 256 billion m³ out of which the share of each basin is as follows: the Caspian Sea, 59.5 billion m³; the Persian Gulf and the Oman Sea, 89.0 billion m³; the Lake of Orumiyeh, 15.2 billion m³; Central Plateau, 83.0 billion m³; Eastern border, 0.5 billion m³ & Qareh Qum, 4.6 billion m³.

1.1. LENGTH OF IRANIAN BORDERLINES, THE YEAR 1400 (km)

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

Source: Armed Forces Geographical Organization.

1.2. LONGITUDE AND LATITUDE OF OSTANS, THE YEAR 1400

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, BAKHSSES, 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
1396.....	429	1058	1287	2589
1397.....	435	1079	1331	2610
1398.....	448	1101	1361	2638
1399.....	457	1126	1395	2674
1400.....	470	1161	1428	2723

Source: Ministry of the Interior.

1.4. GENERAL CHARACTERISTICS OF OSTANS ACCORDING TO THE ADMINISTRATIVE DIVISIONS AT THE END OF THE YEAR 1400

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	470	1161	1428	2723
East Azarbayejan.....	Tabriz	45468 .86	21	48	70	146
West Azarbayejan	Orumiyeh	37542 .95	19	45	48	118
Ardebil	Ardebil	17875 .54	12	31	32	75
Esfahan.....	Esfahan	107116 .1	28	56	114	133
Alborz	Karaj	5182 .03	7	14	18	31
Ilam	Ilam	20164 .11	12	29	27	54
Bushehr	Bushehr	22911 .22	10	27	40	52
Tehran	Tehran	13538 .43	16	35	49	73
Chaharmahal & Bakhtiari	Shahr-e-Kord	16320 .98	10	26	43	51
South Khorasan	Birjand	151018 .3	11	29	31	66
Khorasan-e-Razavi.....	Mashhad	119063 .9	33	82	96	179
North Khorasan	Bojnurd	28385 .52	8	19	25	45
Khuzestan.....	Ahvaz	64426 .29	29	70	88	145
Zanjan	Zanjan	21733 .12	8	19	21	50
Semnan.....	Semnan	97750 .91	8	16	21	33
Sistan & Baluchestan	Zahedan	182312 .1	26	67	55	142
Fars.....	Shiraz	122199 .4	37	97	120	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	23	60	84	154
Kermanshah	Kermanshah	25186 .86	14	34	35	87
Kohgiluyeh & Boyerahmad	Yasuj	15505 .44	9	22	21	50
Golestan	Gorgan	20411 .88	14	27	35	60
Gilan.....	Rasht	13988 .14	17	46	53	113
Lorestan.....	Khorramabad	28090 .74	11	34	33	88
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	11	23	23	48

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 1400

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Total country	1161	1428	2723
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.....	45	48	118
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	3	4	6
Salmas	2	2	7
Shahindezh	2	3	5

1.5. BAKHSHEs, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1400 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Shout	2	3	4
Maku	2	2	5
Mahabad	2	3	5
Miandoab	2	2	7
Naqadeh	2	2	4
Ardebil	31	32	75
Ardebil	3	4	10
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.....	56	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
Chadegan	2	4	4
Khomeinishahr	2	2	4
Khansar	1	4	3
Khour& Biyabanak.	1	2	3
Dehaghan.	1	3	3
Semirom	1	2	3
Shahin Shahr& Meymeh	4	6	8
Shahreza	2	6	4
Feridan	1	2	4
Fereydunshahr	2	2	5
Falavarjan.....	2	2	5
Kashan.....	3	11	6
Kuhpayeh	2	3	4
Golpayegan	1	3	3

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1400 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
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.....	29	27	54
Abdanan	3	3	6
Ilam	2	2	4
Ivan	2	2	4
Badreh	2	2	4
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

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1400 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
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.....	26	43	51
Ardal	2	4	4
Borujen	3	6	5
Bon.....	2	3	4
Khan Mirza	2	1	4
Saman.....	2	2	4
Shahr-e-Kord	3	9	6
Farsan	3	7	5
Kuhrang	3	3	7
Keyar.....	2	4	4
Lordegan	4	4	8
South Khorasan.....	29	31	66
Boshroye	2	2	4
Birjand.....	2	1	6
Khosaf	2	2	5
Darmiyān	4	4	8

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1400 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Zeerkooch	3	3	6
Sarayan	2	3	4
Sarbisheh.....	3	3	6
Tabas	3	3	8
Ferdows	2	3	3
Qayenat	3	5	8
Nahbandan	3	2	8
Khorasan-e-Razavi	82	96	179
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	2	5	5
Kashmar	4	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
Neyshabur	3	4	10
North Khorasan	19	25	45
Esfarayen	2	2	7
Bojnurd	2	3	5
Jajarm	3	3	5
Raz & Jargalan.....	3	3	6
Shirvan	3	5	9

1.5. BAKHSHEH, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1400 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Faruj	2	2	5
Garmeh.....	1	3	2
Maneh and Samalqan	3	4	6
Khuzestan	70	88	145
Abadan	2	3	6
Aghajaree	2	2	2
Omidiyeh.....	2	3	3
Endika	3	3	6
Andimeshk	2	5	4
Ahvaz	3	2	6
Izeh.....	2	1	7
Baghmalek	4	4	9
Bavi	2	3	4
Bandar-e-Mahshahr.....	2	3	1
Behbahan.....	3	4	6
Hamidiyeh.....	2	1	4
Khorramshahr.....	2	3	4
Dezful.....	2	1	4
Dasht-e-Azadegan	4	12	11
Ramshir	2	4	5
Ramhormoz.....	2	2	4
Shadegan	4	4	8
Shush.....	3	3	8
Shushtar.....	2	3	4
Karoun.....	3	5	6
Karkheh.....	2	2	4
Gotvand	2	5	4
Lali	2	1	4
Masjed Soleyman.....	3	3	6
Haftgol	2	1	3
Hendiyan.....	2	2	4
Hovayzeh	2	2	4
Zanjan.....	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
Mahnesan	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.....	67	55	142
Iranshahr.....	3	2	6

1.5. BAKHSSES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1400 (continued)

Ostan and Shahrestan	Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs
Bampour	2	3	4
Taftan	3	1	6
Chabahar	3	2	5
Khash	3	3	8
Dashtiyari	2	2	4
Delgan	2	2	5
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	2	1	4
Hamoon	2	2	4
Hirmand	2	2	5
Fars	97	120	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	2	6
Sarvestan	2	2	4
Shiraz	3	4	10
Farashband	2	3	4

1.5. BAKHSHEH, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1400 (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	6	13
Jafar Abad	2	1	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
Saqquez	4	3	11
Sanandaj	4	3	12
Qorveh	4	5	10
Kamyaran	2	2	7
Marivan	3	4	6
Kerman	60	84	154
Arzooeyeh	2	2	5
Anar.....	1	2	2
Baft.....	2	3	6
Bardsir	4	5	8
Bam	3	2	6
Jiroft	5	5	15
Rabar	2	2	4
Ravar	2	2	3
Rafsanjan	4	6	14
Rudbar-e-Jonub	2	2	4
Reegan.....	2	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 1400 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
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
Kangavar	1	2	5
Gilan-e-Gharb	2	2	6
Harsin	2	2	4
Kohgiluyeh & Boyerahmad	22	21	50
Basht	2	2	4
Bahmaee	3	3	6
Boyerahmad	4	5	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

1.5. BAKHSHEH, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1400 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
Gonbad-e-Kavus	2	3	6
Marave-Tapeh.....	2	2	4
Minudasht	2	2	4
Gilan.....	46	53	113
Astara	2	2	4
Astane-ye-Ashrafiyeh	2	2	6
Amlash	2	2	5
Bandar Anzali	1	1	2
Khomam	2	1	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	3	10
Tavalesh	4	5	10
Fuman	2	3	6
Lahijan	2	2	7
Langrud	3	5	7
Masal	2	2	4
Lorestan	34	33	88
Azna	2	2	4
Aligudarz	5	5	12
Borujerd	3	3	8
Poldokhtar	2	3	7
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
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

1.5. BAKHSHES, SHAHRS AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1400 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of Shahrs	Number of Dehestans
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
Zarandiveh	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
Abumusa	2	1	2
Bastak	3	5	7
Bashagerd.....	3	2	6
Bandar Abbas	6	5	13
Bandar Lengeh	4	5	8
Parsivan	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.....	23	23	48
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
Marvast.....	2	1	4
Mehriz	1	1	5
Mevbod	3	3	5
Yazd	2	3	4

Source: Ministry of the Interior.

1.6. METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS FROM THE YEAR OF ESTABLISHMENT TO THE END OF THE YEAR 1400

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 1400 (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	328.0	80.0
Ardebil	16.0	3.6	9.8	-33.8	40.4	284.8	63.0
Orumiyeh	18.0	5.6	11.8	-22.8	39.9	329.4	79.0
Esfahan	23.7	9.3	16.5	19.4	43.0	122.8	48.0
Ahvaz	32.8	17.7	25.4	-7.0	54.0	196.9	107.0
Ilam	23.3	11.2	17.2	-13.9	42.2	557.0	213.6
Bojnurd	20.4	7.0	13.7	-25.0	42.3	250.3	54.3
Bandar Abbas	32.2	21.8	27.0	2.0	51.0	171.6	211.0
Bushehr	28.8	21.7	25.2	3.0	47.0	244.3	168.0
Birjand	24.8	8.5	16.7	-21.5	44.0	160.9	52.0
Tabriz	18.4	7.3	12.8	-25.0	42.0	280.6	63.0
Tehran	22.9	12.2	17.6	-15.0	43.0	229.9	50.4
Khorramabad	25.4	9.2	17.3	-14.6	47.0	492.9	94.0
Rasht	20.8	11.7	16.3	-19.0	40.0	1317.6	170.0
Zahedan	26.9	10.3	18.6	-22.0	43.4	84.5	52.0
Zanjan	18.6	4.5	11.5	-30.0	43.0	307.6	50.6
Sari	23.0	13.5	18.3	-6.0	42.6	748.1	112.0
Semnan	23.9	12.6	18.2	-12.6	44.4	135.5	41.0
Sanandaj	21.9	5.9	13.9	-31.0	44.0	427.5	73.0
Shahr-e-Kord	20.4	3.2	11.8	-32.4	42.0	313.1	88.8
Shiraz	25.9	9.9	17.9	-14.0	43.2	323.3	128.0
Qazvin	21.4	7.0	14.2	-24.0	43.0	309.6	50.0
Qom	25.9	10.8	18.4	-23.0	47.0	133.2	90.0
Karaj.....	21.4	9.0	15.2	-17.0	42.0	249.7	57.0
Kerman	24.9	7.1	16.0	-30.0	42.0	141.4	60.0
Kermanshah	23.0	6.3	14.7	-27.0	44.1	424.3	108.0
Gorgan	23.1	12.7	17.9	-11.8	46.3	565.6	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	310.4	79.0
Yasuj	22.6	7.7	15.2	-19.0	40.4	781.0	135.0
Yazd	27.0	12.3	19.6	-16.0	45.6	56.5	48.0

**1.6. METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS
FROM THE YEAR OF ESTABLISHMENT TO THE END OF THE YEAR 1400 (continued)**

Capital of Ostan	Mean of relative humidity (%)		Number of frosty days	Bright sunshine (hours)	Max. wind speed (mps)
	Max.	Min.			
Arak	63.0	30.5	80.0	2847.3	35
Ardebil	88.8	52.2	109.6	2454.0	37
Orumiyeh....	78.0	40.8	101.4	2776.3	40
Esfahan	57.2	22.6	70.0	3069.8	32
Ahvaz	62.7	27.0	2.8	2787.6	40
Ilam	54.5	26.2	37.6	2983.7	40
Bojnurd	79.2	38.3	86.2	2745.1	45
Bandar Abbas	81.6	46.3	0.0	2984.9	30
Bushehr	79.4	53.7	0.0	2853.5	30
Birjand	52.0	20.6	74.6	3115.9	26
Tabriz	70.4	35.8	90.1	2703.8	38
Tehran	54.9	26.6	40.5	2880.0	33
Khorramabad.....	64.3	27.9	47.5	2874.1	30
Rasht	95.6	65.7	20.8	1563.2	31
Zahedan	48.5	18.2	51.1	3083.7	41
Zanjan	74.6	36.1	110.3	2785.6	28
Sari	92.2	59.3	7.9	1976.6	27
Semnan	52.9	28.4	41.9	2937.8	26
Sanandaj	69.7	27.8	95.8	2792.8	25
Shahr-e-Kord	66.7	28.2	119.9	3040.2	48
Shiraz	60.0	22.8	45.6	3233.1	30
Qazvin	73.1	32.2	84.7	2867.3	39
Qom	60.2	26.4	51.0	3000.9	31
Karaj.....	69.0	31.1	57.5	2867.0	30
Kerman	50.0	18.2	84.2	3098.1	50
Kermanshah	64.9	27.6	84.3	2759.7	50
Gorgan.....	86.3	53.0	16.9	2037.0	31
Mashhad	72.1	35.0	80.1	2843.3	25
Hamedan	73.4	33.0	110.4	2808.2	31
Yasuj	64.6	23.6	63.8	3121.0	30
Yazd	44.4	18.7	42.9	3132.5	33

Source: I. R. Iran Meteorological Organization.

1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1400

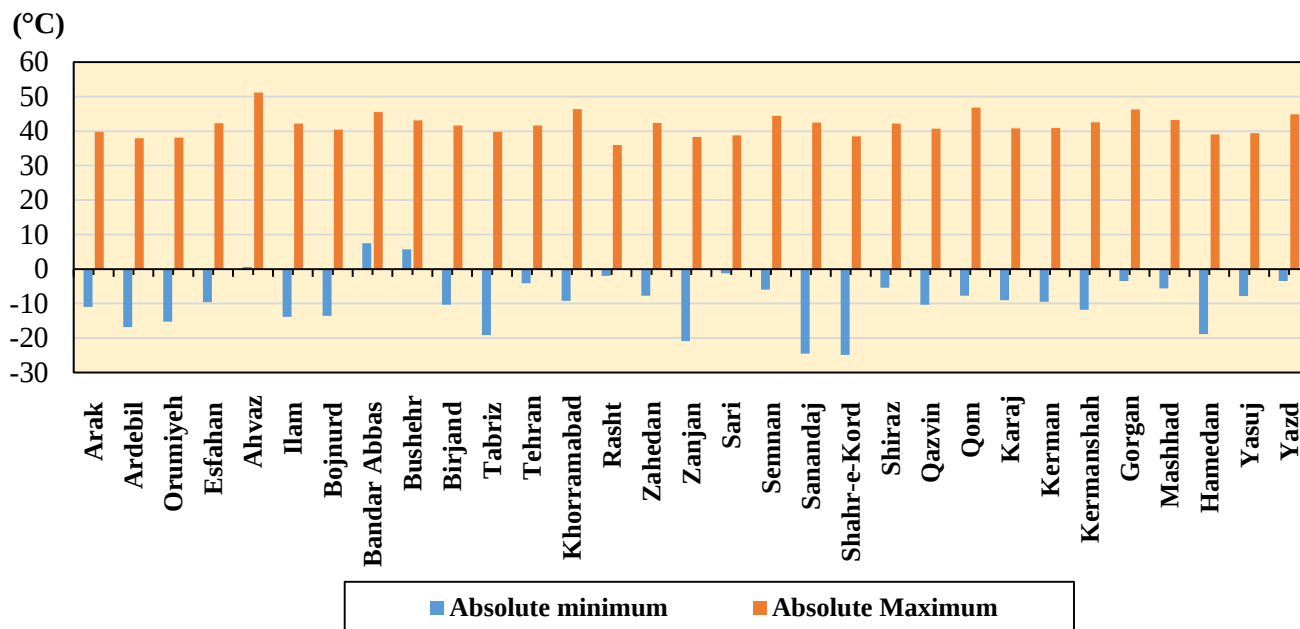
Capital of Ostan	Air temperature (°C)					Annual precipitation (mm)
	Average max	Average min	Mean	Absolut min	Absolut max	
Arak	23.1	8.7	15.9	39.8	-11.0	248.8
Ardebil	17.4	5.4	11.4	37.9	-16.8	204.8
Orumiyeh	19.7	5.3	12.5	38.1	-15.3	240.6
Esfahan	26.8	11.2	19.0	42.3	-9.6	64.7
Ahvaz	35.6	20.2	27.9	51.2	0.6	95.0
Ilam	25.6	11.2	18.4	42.2	-13.9	189.6
Bojnurd	22.1	6.9	14.5	40.4	-13.6	160.6
Bandar Abbas	33.6	22.6	28.1	45.5	7.5	246.8
Bushehr	30.9	23.1	27.0	43.1	5.7	117.5
Birjand	26.3	9.2	17.7	41.6	-10.3	139.9
Tabriz	20.1	8.3	14.2	39.8	-19.2	233.1
Tehran	24.6	14.7	19.6	41.6	-4.1	137.0
Khorramabad.....	27.5	10.0	18.8	46.4	-9.2	288.0
Rasht	22.0	13.7	17.8	36.0	-2.0	1237.0
Zahedan	28.6	11.4	20.0	42.4	-7.7	24.6
Zanjan	21.3	5.3	13.3	38.3	-20.9	189.0
Sari	24.1	14.6	19.3	38.8	-1.2	744.4
Semnan	25.5	14.2	19.9	44.4	-6.0	90.4
Sanandaj	24.3	7.1	15.7	42.5	-24.5	224.3
Shahr-e-Kord	22.5	2.8	12.6	38.5	-24.9	266.9
Shiraz	28.4	11.0	19.7	42.2	-5.4	148.3
Qazvin	23.7	8.4	16.1	40.7	-10.3	198.9
Qom	28.5	11.8	20.1	46.8	-7.7	142.4
Karaj.....	23.6	10.6	17.1	40.8	-9.0	174.9
Kerman	26.5	9.1	17.8	40.9	-9.5	89.3
Kermanshah	25.4	8.2	16.8	42.6	-11.8	143.1
Gorgan.....	25.4	12.9	19.1	46.3	-3.5	408.4
Mashhad	24.2	10.6	17.4	43.2	-5.6	108.4
Hamedan	21.9	4.6	13.3	39.0	-18.9	163.4
Yasuj	24.3	8.9	16.6	39.4	-7.8	631.9
Yazd	28.7	15.2	22.0	44.9	-3.5	62.4

1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1400 (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	32.1	58.9	25.8	64.0	135.0	3044.7	20.0
Ardebil	24.0	88.1	47.3	98.0	18.0	2735.5	22.0
Orumiyeh	38.0	73.4	34.9	113.0	1.0	3093.8	16.0
Esfahan	8.0	46.0	18.0	55.0	30.0	3276.8	30.0
Ahvaz	16.0	53.0	21.0	0.0	55.0	3293.1	12.0
Ilam	34.0	49.5	23.8	34.0	55.0	3231.2	20.0
Bojnurd	15.3	73.3	29.7	107.0	36.0	3032.5	19.0
Bandar Abbas	63.0	79.0	41.8	0.0	17.0	3409.6	16.0
Bushehr	37.0	75.4	53.4	0.0	19.0	2538.2	18.0
Birjand	19.0	41.8	12.6	61.0	45.0	3458.8	15.0
Tabriz	16.0	64.3	31.6	96.0	9.0	2978.3	18.0
Tehran	14.4	44.1	19.3	9.0	13.0	3046.3	20.0
Khorramabad.....	39.0	58.2	20.7	40.0	35.0	3218.6	17.0
Rasht	79.0	99.1	62.8	3.0	3.0	1740.0	16.0
Zahedan	5.9	37.5	15.5	39.0	76.0	3473.9	17.0
Zanjan	20.0	71.8	31.1	115.0	15.0	3707.3	22.0
Sari	60.0	92.3	58.0	3.0	0.0	1916.8	18.0
Semnan	21.0	41.9	20.0	30.0	2.0	3267.8	17.0
Sanandaj	38.0	62.7	20.9	79.0	30.0	3138.0	15.0
Shahr-e-Kord	27.0	60.2	18.3	127.0	18.0	3244.1	26.0
Shiraz	34.0	51.4	13.9	35.0	31.0	3468.2	15.0
Qazvin	21.6	72.9	31.0	65.0	6.0	3053.4	23.0
Qom	38.0	54.1	21.5	36.0	57.0	3314.2	27.0
Karaj.....	22.6	65.2	26.0	37.0	15.0	3105.3	20.0
Kerman	16.0	45.3	16.9	52.0	24.0	3451.4	22.0
Kermanshah	14.9	52.6	16.3	62.0	35.0	3063.0	20.0
Gorgan.....	82.0	91.0	52.2	22.0	8.0	2385.6	25.0
Mashhad	10.1	65.0	34.6	44.0	15.0	3144.5	18.0
Hamedan	21.3	65.2	24.7	109.0	23.0	3204.9	27.0
Yasuj	52.0	56.9	18.4	49.0	27.0	3183.6	16.0
Yazd	26.9	36.2	16.6	11.0	98.0	3393.6	28.0

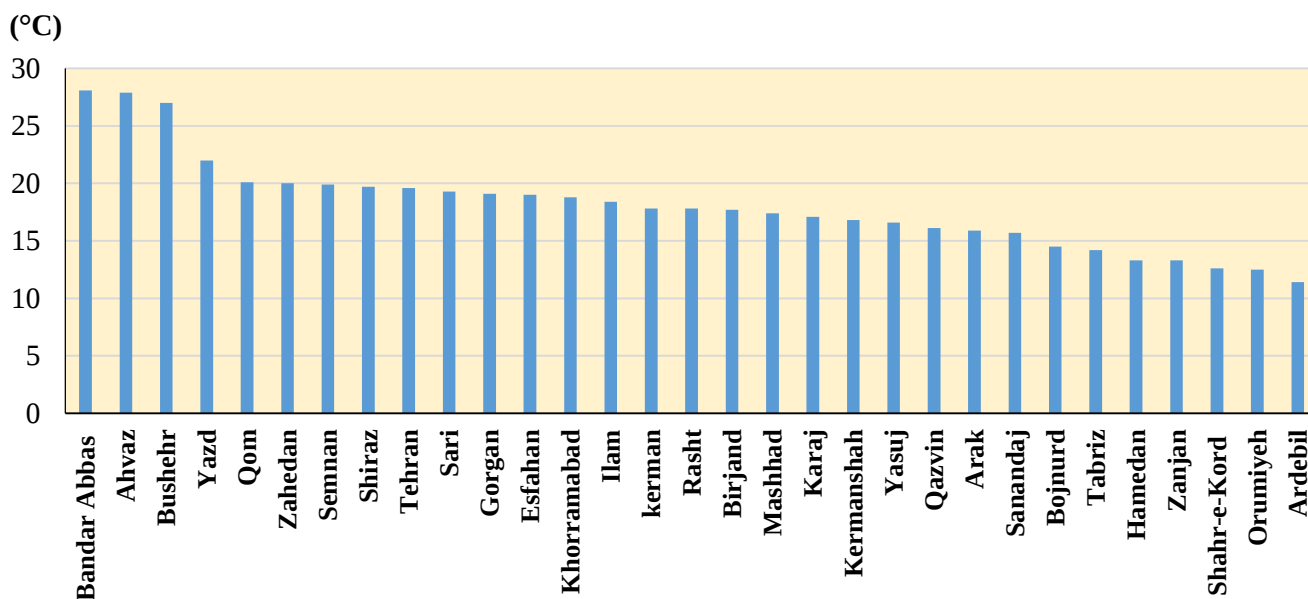
Source: I. R Iran Meteorological Organization.

1.1. ABSOLUTE MAXIMUM AND MINIMUM TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1400



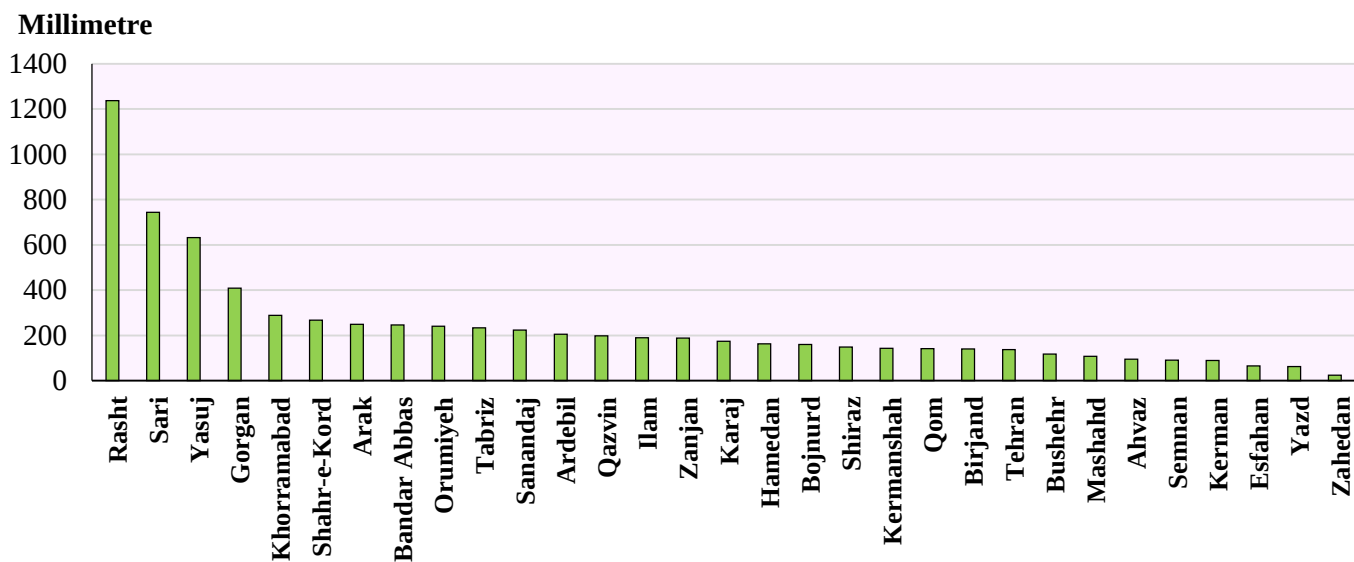
For data see Table 1.7.

1.2. AVERAGE ANNUAL TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1400



For data see Table 1.7.

1.3. ANNUAL RAINFALL IN THE CAPITALS OF OSTANS, THE YEAR 1400



For data see Table 1.7.

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1400 (°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	27.0	-2.0	14.3	33.4	6.6	19.3	38.2	11.4	24.8
Ardebil	29.6	-4.9	10.9	31.9	2.2	15.1	34.6	8.2	19.2
Orumiyeh	24.8	-3.4	11.2	32.6	3.7	17.8	35.0	7.6	21.5
Esfahan	30.1	3.3	18.4	35.7	10.5	23.1	41.5	15.6	29.1
Ahvaz	41.0	11.6	25.8	47.5	19.0	32.9	49.4	23.9	37.5
Ilam	31.5	-1.8	15.2	36.8	10.4	22.5	40.2	14.2	26.2
Bojnurd	28.4	-0.2	13.6	32.8	8.4	19.2	39.6	11.8	24.3
Bandar Abbas	37.1	17.4	26.4	44.0	19.9	31.0	45.3	25.6	33.8
Bushehr	35.4	15.9	23.8	41.2	21.4	29.6	43.1	25.9	32.9
Birjand	30.7	0.2	17.3	33.8	8.3	21.0	41.1	12.8	27.5
Tabriz	24.6	-1.0	11.9	33.2	8.2	19.0	38.3	10.6	24.3
Tehran	29.1	4.4	18.5	34.9	13.0	24.4	39.7	17.1	30.1
Khorramabad.....	34.4	-0.1	15.8	38.9	8.0	22.1	45.0	11.3	26.4
Rasht	34.0	6.0	15.5	30.8	11.8	19.3	32.2	18.2	24.8
Zahedan	35.1	5.4	20.7	35.6	11.1	23.2	42.4	14.6	28.9
Zanjan	27.9	-5.7	11.8	32.8	3.1	17.5	37.9	7.0	22.0
Sari	34.6	3.2	16.9	35.2	12.6	20.4	37.4	17.4	25.9
Semnan	30.0	2.0	18.8	36.4	12.6	24.3	41.8	19.1	31.1
Sanandaj	31.0	-2.1	13.1	35.3	5.4	19.8	41.9	8.2	23.8
Shahr-e-Kord	25.9	-9.6	10.9	31.3	1.3	14.9	37.3	4.3	20.7
Shiraz	30.4	1.6	18.7	36.8	8.8	22.5	41.8	13.0	28.5
Qazvin	29.1	-2.6	14.3	35.1	5.9	20.0	38.2	9.1	25.2
Qom	34.0	1.4	18.8	40.2	11.9	25.0	44.1	16.4	30.8
Karaj.....	28.1	-1.4	15.4	34.5	8.5	21.3	39.3	11.1	26.6
Kerman	30.6	2.2	17.8	33.5	7.7	20.0	40.9	10.8	27.0
Kermanshah	30.0	-2.4	13.8	36.3	5.5	20.6	42.3	9.8	24.4
Gorgan.....	34.0	0.8	16.1	42.8	10.2	21.3	46.3	14.7	27.0
Mashhad	32.6	1.5	16.6	35.7	11.4	21.7	41.5	15.6	28.3
Hamedan	26.9	-6.6	11.0	32.4	2.8	16.5	39.0	6.0	21.0
Yasuj	28.0	1.2	15.2	34.0	7.4	18.8	38.4	10.2	25.1
Yazd	33.1	7.8	21.5	38.1	13.8	25.8	43.9	19.2	32.2

**1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND
AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1400
(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	38.4	17.2	28.3	39.8	16.4	27.5	37.2	12.4	25.0
Ardebil	37.9	7.8	21.4	36.6	10.4	20.7	37.0	5.8	18.2
Orumiyeh	38.1	11.7	25.0	36.1	12.1	24.2	35.9	6.5	21.5
Esfahan	42.3	16.6	30.8	42.5	18.8	29.8	38.2	14.6	26.6
Ahvaz	50.6	27.1	39.9	51.2	26.4	39.2	49.1	23.0	36.6
Ilam	41.2	18.5	29.9	42.2	19.1	29.5	39.5	14.3	27.5
Bojnurd	40.4	12.8	26.3	37.8	12.8	25.3	36.8	11.8	23.4
Bandar Abbas	45.5	26.3	34.9	43.5	28.9	35.3	45.1	25.8	33.8
Bushehr	40.8	26.6	34.3	42.5	28.7	35.7	42.6	26.6	34.1
Birjand	41.6	14.0	28.2	37.3	11.9	26.2	36.0	8.6	23.8
Tabriz	39.8	15.4	28.5	38.4	16.6	27.3	36.2	12.1	25.0
Tehran	41.6	21.0	31.7	40.8	22.6	31.2	38.4	19.8	29.0
Khorramabad.....	44.4	16.9	30.6	46.4	18.1	30.7	43.1	11.5	28.1
Rasht	35.2	20.6	27.7	35.4	19.4	27.3	36.0	17.4	25.3
Zahedan	41.7	13.7	29.9	40.2	15.8	28.7	37.2	11.3	25.1
Zanjan	38.3	11.5	25.1	36.9	13.1	24.4	36.3	6.8	22.4
Sari	38.4	22.0	29.3	38.8	21.4	29.8	37.7	20.0	27.8
Semnan	44.4	23.4	33.0	42.2	22.0	32.1	38.4	19.6	29.6
Sanandaj	41.2	13.7	28.5	42.5	14.4	28.6	38.9	8.8	25.1
Shahr-e-Kord	38.5	7.4	23.2	38.2	9.2	23.2	34.0	3.4	19.7
Shiraz	42.2	15.6	29.9	40.2	18.0	29.5	38.4	13.0	26.6
Qazvin	40.7	15.0	28.3	39.8	14.3	27.2	37.7	11.6	25.3
Qom	46.8	17.0	33.2	45.7	19.7	32.5	43.4	13.6	29.1
Karaj.....	40.8	15.6	29.1	40.0	16.8	28.2	37.0	13.3	26.7
Kerman	40.4	10.7	27.4	37.5	14.5	26.8	35.1	8.3	23.2
Kermanshah	41.3	15.3	28.7	42.6	15.8	28.8	39.7	10.4	25.7
Gorgan.....	43.3	21.9	30.7	41.4	20.1	30.6	40.6	17.7	28.8
Mashhad	43.2	17.4	29.3	39.7	15.2	28.2	39.8	13.0	25.6
Hamedan	37.3	11.4	25.0	38.7	12.0	24.9	35.4	7.7	22.0
Yasuj	39.4	15.6	26.8	38.0	16.2	26.7	36.0	13.0	24.4
Yazd	44.9	18.9	33.4	43.2	22.4	32.8	39.3	17.2	28.9

**1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND
AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1400
(continued)**

(°C)

Capital of Ostan	Month								
	Mehr			Aban			Azar		
	Highest Max. Temp.	Lowest Min. Temp.	Mean Temp	Highest Max. Temp.	Lowest Min. Temp.	Mean Temp	Highest Max. Temp.	Lowest Min. Temp.	Mean Temp
Arak	33.0	5.0	18.4	23.4	-2.0	8.9	21.8	-4.2	6.7
Ardebil	31.3	0.8	12.0	21.4	-7.3	7.2	19.8	-4.8	7.1
Orumiyeh	29.2	1.8	14.7	20.0	-4.3	7.9	17.3	-5.6	4.1
Esfahan	35.3	7.5	21.9	27.5	-4.7	11.4	21.6	-3.3	9.3
Ahvaz	44.3	15.9	31.0	36.4	11.6	23.7	29.1	5.9	18.7
Ilam	34.1	7.8	21.4	27.2	3.1	14.7	24.1	0.5	11.2
Bojnurd	35.8	-3.0	15.2	21.4	-8.4	7.0	19.4	-8.4	5.8
Bandar Abbas	41.0	18.1	31.1	38.9	13.5	26.4	33.1	10.6	22.1
Bushehr	37.2	23.0	30.1	34.0	18.2	25.4	30.4	14.0	22.0
Birjand	36.5	0.5	19.2	26.4	-7.1	11.0	25.3	-10.3	9.1
Tabriz	28.4	3.8	16.8	19.2	3-9	9.1	16.1	-3.5	5.1
Tehran	34.4	10.6	21.2	24.2	1.5	12.5	18.9	1.8	9.7
Khorramabad.....	37.6	6.1	22.0	28.3	2.4	14.7	21.8	-1.5	9.8
Rasht	30.0	10.0	18.4	22.0	3.4	13.0	30.4	3.6	13.3
Zahedan	35.8	3.1	20.1	28.6	-3.1	13.2	26.3	-6.9	10.4
Zanjan	29.9	-0.9	15.3	21.8	-8.1	7.5	19.5	-7.3	5.3
Sari	30.4	9.4	20.6	26.2	2.8	13.8	27.6	2.6	13.7
Semnan	36.0	6.6	21.8	25.0	-0.2	12.5	19.0	-1.4	9.2
Sanandaj	32.6	3.4	18.1	25.4	-3.0	10.8	19.4	-4.0	7.3
Shahr-e-Kord	30.4	-3.4	15.1	22.8	-6.3	7.9	17.6	-10.2	5.4
Shiraz	35.0	7.8	22.4	28.2	2.6	14.9	24.4	-1.8	11.3
Qazvin	33.6	2.4	17.8	23.8	-3.4	9.5	18.4	-3.2	7.1
Qom	39.0	5.8	21.5	29.1	-0.4	12.8	22.6	-1.8	9.3
Karaj.....	33.4	5.2	18.3	24.8	-1.6	10.3	18.4	-0.9	7.9
Kerman	34.2	3.1	19.4	25.9	-0.8	11.6	22.9	-6.0	9.5
Kermanshah	34.2	4.3	19.3	26.9	-1.2	12.2	19.0	-2.8	8.5
Gorgan.....	34.8	7.0	20.4	26.0	-1.5	12.6	28.6	-1.1	12.0
Mashhad	36.4	2.5	16.5	25.5	-3.8	9.3	22.0	-5.6	9.0
Hamedan	30.1	0.2	15.3	23.2	-4.8	7.1	18.7	-6.7	5.3
Yasuj	32.2	6.0	19.7	25.4	1.2	11.9	20.0	-1.6	9.0
Yazd	37.7	10.7	23.8	28.1	1.0	14.3	23.3	1.0	12.4

**1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND
AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1400
(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	15.8	-9.8	4.0	17.0	-11.0	2.8	20.4	-5.2	9.2
Ardebil	12.0	-16.8	0.2	10.9	-15.2	-0.2	17.4	-16.3	4.0
Orumiyeh	8.1	-15.1	-2.2	10.3	-15.3	-1.1	16.0	-7.7	4.6
Esfahan	19.0	-6.0	5.9	19.6	-9.6	6.5	24.0	-0.9	13.0
Ahvaz	25.9	2.8	13.7	27.4	0.6	14.5	30.8	6.7	19.4
Ilam	17.0	-12.0	5.7	18.7	-13.9	5.5	21.8	-3.5	9.3
Bojnurd	14.2	-9.2	2.7	16.0	-13.6	2.3	20.4	-5.4	7.0
Bandar Abbas	29.1	7.8	19.3	28.7	7.5	18.7	34.8	14.3	23.5
Bushehr	24.7	9.0	17.1	24.5	5.7	16.5	31.1	12.5	20.6
Birjand	18.5	-6.6	7.1	20.6	-9.1	6.3	30.1	0.4	14.5
Tabriz	7.6	-15.8	-2.1	10.4	-19.2	-1.3	17.4	-7.8	5.1
Tehran	15.1	-3.2	6.8	15.8	-4.1	6.6	22.2	-0.3	12.3
Khorramabad	18.0	-3.2	6.5	18.2	-9.2	6.0	22.6	-3.2	10.6
Rasht	19.4	-1.4	8.4	25.8	-2.0	9.0	25.6	0.4	10.5
Zahedan	26.0	-5.1	10.3	26.0	-7.7	9.6	33.5	1.9	18.4
Zanjan	12.8	-18.9	1.2	11.2	-20.9	-0.2	16.0	-6.2	5.3
Sari	24.2	-0.2	10.3	23.6	-1.2	9.9	32.6	2.4	12.3
Semnan	14.4	-5.4	5.6	16.8	-6.0	5.8	23.2	2.2	12.9
Sanandaj	15.0	-24.5	2.8	13.8	-20.8	1.4	18.8	-6.5	7.6
Shahr-e-Kord	13.7	-13.2	1.5	14.1	-24.9	0.4	18.3	-8.2	7.1
Shiraz	18.0	-4.6	7.7	21.6	-5.4	8.5	27.4	0.0	14.8
Qazvin	15.1	-9.0	4.0	14.9	-10.3	3.9	19.3	-3.4	8.4
Qom	20.0	-5.6	7.1	19.4	-7.7	6.6	28.2	-1.7	13.3
Karaj	15.7	-5.8	5.2	14.9	-9.0	4.8	19.6	-4.2	9.8
Kerman	19.1	-6.4	7.3	24.7	-9.5	7.5	30.0	-0.1	14.8
Kermanshah	16.0	-11.1	4.7	16.8	-11.8	3.7	20.4	-5.2	8.9
Gorgan	25.1	-3.5	8.9	22.7	-3.0	8.2	29.2	-0.4	11.5
Mashhad	18.3	-5.1	6.1	20.4	-5.5	5.9	28.3	0.4	10.7
Hamedan	13.8	-18.9	2.0	14.4	-16.5	0.7	18.1	-6.0	6.9
Yasuj	16.0	-4.6	4.7	16.4	-7.8	5.3	20.8	-1.8	9.9
Yazd	22.1	-1.6	9.5	26.1	-3.5	10.0	30.3	3.3	17.2

Source: I. R. I. Meteorological Organization.

1.9. TOTAL PRECIPITATION IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1400 (mm)

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	1.7	20.0	0.9	0.0	1.6	0.0
Ardebil	5.5	16.8	6.3	3.5	11.8	0.6
Orumiyeh	45.1	20.4	0.2	5.5	10.6	0.0
Esfahan	1.8	14.5	0.3	0.0	0.0	0.0
Ahvaz	0.0	0.0	0.0	0.0	0.0	0.0
Ilam	4.9	0.1	0.0	0.0	0.2	0.0
Bojnurd	10.4	55.3	1.0	0.5	0.0	0.5
Bandar Abbas	0.0	2.4	0.0	0.0	0.0	0.0
Bushehr	1.8	0.0	0.0	0.0	0.0	0.0
Birjand	4.3	38.6	0.0	0.0	0.0	0.0
Tabriz	27.5	49.4	6.6	14.2	21.9	0.0
Tehran	0.2	12.5	8.6	1.6	2.0	0.0
Khorramabad.....	6.5	2.0	2.0	0.0	0.4	0.0
Rasht	7.6	33.1	10.3	54.8	62.7	108.9
Zahedan	4.4	9.4	0.0	0.0	0.0	0.0
Zanjan	6.6	11.5	17.0	9.5	9.8	0.1
Sari	23.5	38.9	26.5	25.5	27.9	38.7
Semnan	0.5	61.6	0.2	0.2	2.3	0.0
Sanandaj	5.4	3.4	0.2	0.0	7.2	0.0
Shahr-e-Kord	12.7	7.8	0.1	0.8	0.0	0.0
Shiraz	5.7	0.2	0.0	0.0	0.0	0.0
Qazvin	11.7	8.9	5.1	0.9	18.6	0.0
Qom	1.4	3.8	5.7	0.0	0.0	0.0
Karaj.....	0.4	15.4	9.1	2.0	2.1	0.0
Kerman	0.3	3.9	0.0	0.0	0.0	0.0
Kermanshah	3.9	7.5	0.0	0.0	0.0	0.0
Gorgan.....	16.8	16.8	9.4	28.2	1.6	2.8
Mashhad	6.0	16.5	0.0	1.3	0.0	0.0
Hamedan	6.6	7.3	1.6	0.0	1.8	0.0
Yasuj	3.7	4.7	0.0	63.0	4.2	0.6
Yazd	0.0	10.2	0.0	0.5	0.0	0.0

1.9. TOTAL PRECIPITATION IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1400**(continued)****(mm)**

Capital of Ostan	Month					
	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	0.0	58.0	39.6	48.4	19.9	56.7
Ardebil	5.0	28.0	16.5	59.8	25.5	24.8
Orumiyeh.....	2.0	42.6	48.6	25.3	15.6	22.2
Esfahan	0.0	11.5	7.3	10.0	12.2	12.8
Ahvaz	0.0	4.6	35.3	36.7	12.7	3.7
Ilam	0.0	20.7	41.1	64.7	34.0	25.6
Bojnurd	3.8	8.7	6.4	6.0	10.0	51.3
Bandar Abbas	0.0	22.8	2.0	207.4	10.5	0.5
Bushehr.....	0.1	9.8	4.0	153.6	0.8	3.2
Birjand	0.0	3.2	14.3	51.5	11.7	14.2
Tabriz	0.6	14.6	42.8	26.4	15.3	14.2
Tehran.....	1.2	28.2	39.8	9.6	6.2	26.8
Khorramabad.....	0.0	30.4	89.5	89.8	29.7	33.6
Rasht	299.4	234.7	46.0	153.8	91.6	127.8
Zahedan	0.0	0.0	0.0	8.8	0.7	0.3
Zanjan	0.4	21.8	19.2	42.1	12.6	37.2
Sari	72.5	189.9	51.7	79.6	116.3	49.2
Semnan	0.0	0.8	1.0	6.0	2.0	13.3
Sanandaj	0.0	43.0	21.7	60.1	18.4	64.9
Shahr-e-Kord	0.0	17.9	55.2	40.1	45.9	80.0
Shiraz	0.0	5.2	4.0	121.6	13.6	3.2
Qazvin	0.3	56.9	20.0	18.8	6.2	48.4
Qom	0.0	77.3	13.8	6.4	13.0	17.6
Karaj.....	0.1	63.6	38.6	12.2	5.6	24.2
Kerman	0.0	24.6	0.0	43.5	13.2	1.5
Kermanshah.....	0.0	35.1	34.4	27.6	28.7	63.2
Gorgan.....	58.2	41.7	18.6	9.6	146.8	59.8
Mashhad	0.0	8.9	5.1	38.0	17.7	24.4
Hamedan	0.0	35.6	45.7	12.2	19.0	36.9
Yasuj	0.0	33.7	140.5	179.7	106.6	95.9
Yazd	0.0	43.3	0.3	4.4	0.7	1.4

Source: I. R. I. Meteorological Organization.

1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS, BY THE YEAR 1400 (hour)

Capital of Ostan	Month					
	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	251.8	251.3	358.7	333.0	289.4	334.4
Ardebil	233.3	248.2	328.3	321.4	280.1	298.4
Orumiyeh.....	257.2	290.7	375.5	366.0	343.7	348.7
Esfahan	269.5	282.0	365.8	336.7	317.4	345.2
Ahvaz	276.8	332.1	369.2	373.4	349.8	340.4
Ilam	249.9	319.1	391.0	390.2	329.7	335.6
Bojnurd	244.5	261.9	353.4	346.0	343.7	330.4
Bandar Abbas	310.1	321.0	340.9	317.1	303.6	300.6
Bushehr	197.0	226.9	217.4	197.7	207.0	304.5
Birjand	288.0	279.9	379.4	358.7	363.9	352.6
Tabriz	238.8	281.7	354.5	338.9	334.7	349.8
Tehran	238.3	271.2	362.0	337.7	323.0	329.0
Khorramabad.....	252.7	316.9	360.4	370.9	327.3	342.4
Rasht	176.3	163.8	219.3	218.6	205.0	168.3
Zahedan	283.2	271.3	350.8	344.0	336.5	327.3
Zanjan	275.0	285.5	366.6	367.0	304.5	343.9
Sari	168.5	150.0	219.7	231.5	231.7	143.1
Semnan	278.8	280.0	368.2	345.1	293.8	331.2
Sanandaj	257.9	299.2	372.6	374.8	327.0	339.6
Shahr-e-Kord	259.2	300.6	370.4	347.1	310.3	338.6
Shiraz	294.8	305.2	378.3	328.5	324.5	343.7
Qazvin	256.2	266.7	358.0	349.0	324.7	328.6
Qom	259.0	292.1	373.0	367.0	344.1	337.8
Karaj.....	249.4	263.6	355.7	336.7	325.4	331.2
Kerman	293.0	260.6	367.3	336.0	304.1	349.8
Kermanshah.....	245.3	297.7	363.4	366.4	314.5	336.7
Gorgan.....	187.5	209.2	247.4	267.1	283.3	216.8
Mashhad	234.4	266.3	374.1	356.3	375.1	343.6
Hamedan	279.8	282.7	368.2	370.3	316.4	346.0
Yasuj	260.6	307.8	370.8	323.3	314.1	336.1
Yazd	287.6	285.8	385.3	345.1	337.4	345.6

1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS, BY THE YEAR 1400 (continued) (hour)

Capital of Ostan	Month					
	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	302.2	142.1	181.1	185.9	206.7	208.1
Ardebil	164.5	166.5	190.1	161.5	194.2	149.0
Orumiyeh	274.5	176.0	161.3	124.3	189.8	186.1
Esfahan	305.6	188.2	194.4	211.7	252.7	207.6
Ahvaz	303.6	223.1	173.6	163.2	206.7	181.2
Ilam	300.9	211.9	187.2	137.3	201.8	176.6
Bojnurd	263.7	203.9	193.5	165.7	189.8	136.0
Bandar Abbas	282.2	267.8	250.8	191.4	266.3	257.8
Bushehr	295.6	206.1	207.3	163.8	232.5	164.4
Birjand	320.2	246.2	225.6	170.6	252.9	220.8
Tabriz	294.9	202.2	163.7	102.8	189.7	126.6
Tehran	290.0	174.2	186.0	167.2	190.4	177.3
Khorramabad.....	313.4	212.4	176.1	163.3	206.8	176.0
Rasht	74.8	113.0	108.0	94.5	135.7	62.7
Zahedan	308.8	280.9	262.0	193.5	271.0	244.6
Zanjan	296.7	179.8	152.3	108.8	168.6	160.0
Sari	97.5	137.0	158.3	147.6	154.1	77.8
Semnan	292.1	204.6	207.5	215.5	232.7	218.3
Sanandaj	298.0	185.9	162.9	145.7	187.7	186.7
Shahr-e-Kord	310.8	193.0	193.4	196.1	235.8	188.8
Shiraz	313.9	252.0	230.5	197.7	259.8	239.3
Qazvin	295.8	174.3	185.2	160.7	198.8	155.4
Qom	299.5	196.1	203.8	204.7	227.1	210.0
Karaj.....	295.6	186.6	199.0	175.0	206.6	180.5
Kerman	315.8	245.7	248.8	212.7	264.9	252.7
Kermanshah	297.9	195.6	169.5	143.1	181.4	159.4
Gorgan.....	152.4	176.8	173.7	161.3	192.8	117.3
Mashhad	285.2	211.5	199.0	154.5	214.0	130.5
Hamedan	307.4	150.7	187.1	181.3	208.2	206.8
Yasuj	314.6	216.1	191.3	170.3	219.5	159.1
Yazd	307.0	221.2	213.9	202.7	256.9	205.1

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 1400**(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	16
Yazd	13	16	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	1396	1397	1398	1399	1400
Arak	283	199	374	168	526	484	322	249
Ardebil	237	259	230	232	303	244	308	205
Orumiyeh	372	334	286	244	515	422	296	241
Esfahan	220	150	71	90	154	142	139	65
Ahvaz	184	89	113	90	332	351	186	95
Ilam	555	361	449	559	1029	760	283	190
Bojnurd	241	209	276	121	301	314	201	161
Bandar Abbas	277	58	149	83	118	418	70	247
Bushehr	224	124	80	233	358	288	243	118
Birjand	135	95	97	67	197	136	149	140
Tabriz	129	272	263	315	364	241	315	233
Tehran	227	316	194	160	272	380	307	137
Khorramabad.....	510	286	563	332	889	784	373	288
Rasht	1476	1637	1479	864	1084	1703	1296	1237
Zahedan	55	47	55	30	52	136	50	25
Zanjan	308	366	230	216	307	385	315	189
Sari	684	919	824	540	888	862	631	744
Semnan	177	176	128	67	178	164	138	90
Sanandaj	449	373	317	337	551	412	364	224
Shahr-e-Kord	413	240	317	150	336	311	243	267
Shiraz	305	274	284	172	244	415	272	148
Qazvin	325	424	297	292	332	341	385	199
Qom	111	123	139	94	205	235	191	142
Karaj.....	302	351	211	170	353	419	383	175
Kerman	134	108	98	35	101	129	186	89
Kermanshah	430	415	457	342	692	686	350	143
Gorgan.....	522	724	491	424	647	504	266	408
Mashhad	223	254	287	186	238	306	251	108
Hamedan	283	313	344	208	519	428	373	163
Yasuj	777	661	533	356	1055	865	907	632
Yazd	44	22	24	24	70	100	51	62

Source: I. R. I. Meteorological Organization.

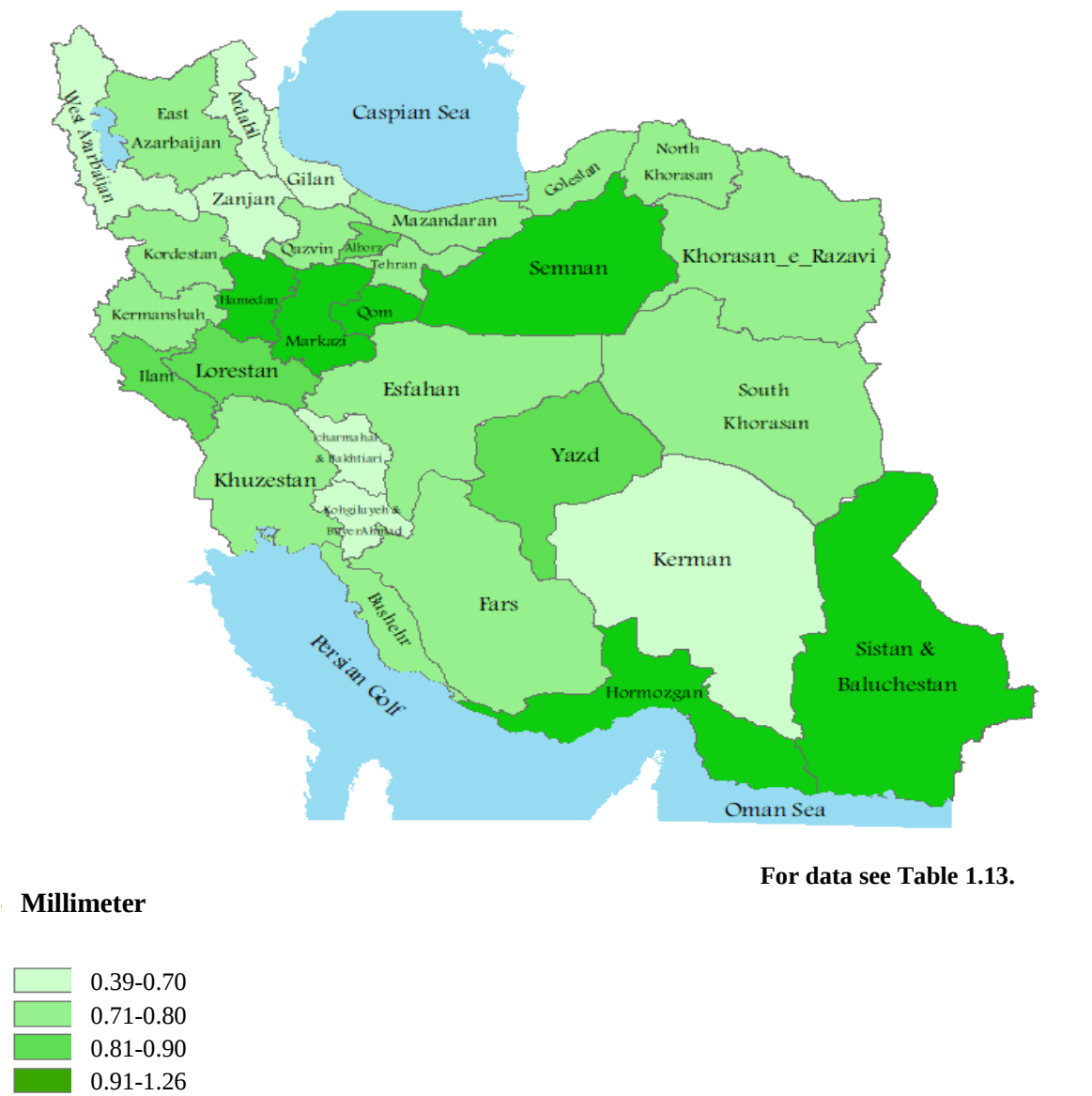
1.13. AVERAGE ANNUAL HEIGHT OF PRECIPITATION IN OSTANS**(mm)**

Ostan	Year								Long term
	1385	1390	1395	1396	1397	1398	1399	1400	
Total country...	147.68	205.92	233.2	232.3	323.5	312.8	278.8	235.0	315.6
East Azarbayejan	204.80	295.60	279.0	315.1	262.7	234.1	242.0	192.3	263.9
West Azarbayejan	289.83	407.57	319.2	244.3	434.4	317.4	268.6	249.2	348.9
Ardebil	195.15	378.85	338.2	231.8	248.8	243.1	319.5	252.3	301.7
Esfahan.....	127.90	144.56	128.9	90.1	224.4	176.3	75.0	106.2	190.4
Alborz	000 ⁽¹⁾	000 ⁽¹⁾	403.9	170.2	191.3	308.8	402.8	241.1	273.4
Ilam	245.55	262.11	430.5	559.0	614.9	525.4	302.3	168.0	428.7
Bushehr	174.04	124.28	268.6	233.0	256.9	259.2	231.6	201.9	244.1
Tehran	185.01 ⁽¹⁾	380.99 ⁽¹⁾	307.0	160.1	358.2	350.2	316.6	163.5	264.9
Chaharmahal & Bakhtiari	432.25	488.99	549.5	150.2	386.6	418.6	369.5	443.0	484.8
South Khorasan	36.53	99.10	94.4	67.2	129.5	121.4	98.3	87.0	118.8
Khorasan-e-Razavi	86.85	198.34	212.9	185.9	176.1	204.1	210.9	123.9	199.4
North Khorasan	185.51	300.66	282.6	121.4	207.4	229.5	223.7	175.9	219.2
Khuzestan.....	195.36	179.27	244.6	89.9	428.5	262.4	237.9	168.3	275.7
Zanjan	211.37	383.55	280.4	216.2	145.1	224.2	239.5	186.7	266.2
Semnan	105.22	156.36	131.8	67.1	186.2	189.2	161.3	95.9	144.7
Sistan & Baluchestan	48.78	74.10	92.8	30.1	58.3	130.5	56.2	68.0	97.2
Fars	205.79	226.74	374.2	171.9	211.3	274.2	239.6	181.9	261.3
Qazvin	266.95	422.24	283.2	292.4	299.2	323.0	283.6	250.9	263.3
Qom	99.01	141.74	173.7	93.6	155.8	223.4	215.0	124.3	142.0
Kordestan	309.74	472.39	392.5	336.8	484.4	442.1	383.4	315.6	432.7
Kerman.....	58.79	79.30	135.1	34.8	38.7	82.2	92.1	90.7	111.2
Kermanshah	285.22	432.58	472.8	341.8	510.0	399.0	244.3	206.7	399.5
Kohgiluyeh & Boyerahmad	286.45	426.15	386.1	356.2	621.8	431.7	610.8	413.2	550.8
Golestan	302.73	567.95	557.6	424.4	470.0	422.6	377.4	353.2	430.8
Gilan	897.20	1231.13	1011.6	863.7	623.8	850.7	770.7	949.6	1080.5
Lorestan	336.20	331.13	591.8	331.5	620.5	557.2	334.4	284.4	452.6
Mazandaran	570.26	909.19	774.5	539.9	712.2	770.0	578.3	608.7	713.6
Markazi	190.95	238.27	314.6	167.7	378.1	331.1	260.8	173.4	275.4
Hormozgan	93.91	73.51	192.0	83.1	111.5	249.3	69.9	196.4	156.0
Hamedan	248.53	350.89	395.4	207.5	416.4	424.8	313.5	152.4	314.8
Yazd	46.52	60.31	59.1	23.7	64.6	78.0	112.2	61.1	79.0

1. Statistics for Alborz are included with Tehran.

Source: I.R.I. Meteorological Organization.

1.4. AVARAGE PRECIPITATION HEIGHT RATIO IN OSTANS
IN THE YEAR 1400 TO THE LONG-TERM AVERAGE



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)	405411	75538	155237	17848	135813	11123	9838
1385-1386	458314	82226	163754	19755	165901	15653	11025
1390-1391	337197	90121	95865	15393	116623	8226	10969
1395-1396	378390	60290	156600	14360	132730	6440	7970
1396-1397	277640	69870	89950	21200	86150	4170	6300
1397-1398	555091	99662	227405	25589	176422	12415	13711
1398-1399	515609	86095	190686	18950	191722	15333	12921
1399-1400	255938	59538	89003	15186	83038	454	4593

Source: Ministry of Energy.