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Land and Climate



Introduction

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

1. Geographical characteristics and administrative divisions

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

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

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

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

and Qarah Dagh in Khorasan Ostan on the east of Iran.

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

Southern mountain range stretches from 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 Tunb Kuchak (Small/Lesser Tonb). The Caspian Sea (the world's largest lake) lies on the north of Iran and connects Iran to European countries through Russian waterways. The water of the most of the Iranian lakes is salty. The major internal lakes are: Orumiyeh, Namak, Hamoun Jazmourian, Hamoun-e-Saberi,

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

2. Climate

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

The country generally features three climatic zones:

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

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

2.1. **Cold mountainous climate**: about 40000 sq km of the total country consists of major highlands, including Alborz and Zagross mountain ranges, as well as Sahand and Sabalan

high peaks. The annual precipitation in these regions exceeds 500 mm.

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

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

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

Notes:

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

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

The Statistics in this Chapter have been gathered from the Armed Forces Geographical Organization, Ministry of the Interior, I.R. of Iran Meteorological Organization and Iran Water Resource Management Company.

Definitions and concepts

Shahrestan (subprovince): an administrative division with a certain geographical boundary, formed from joining of a few neighboring

Bakhshes(county) which enjoy homogeneous natural, social, economic, political and cultural conditions.

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

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

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

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

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

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

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

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

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

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

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

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

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

coefficient is applied to the total volume.

Selected information

The total length of the I.R. 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 1394, Sistan & Baluchestan, Kerman, South Khorasan, Fars, Khorasan-e-Razavi and Esfahan were among the largest Ostans in the country, respectively, and each of them has an area of more than 100000 Km². Tehran Ostan with an area of about 14000 Km² ranks 29th among the nation's Ostans.

In the year 1394, I.R.Iran was divided into 31 Ostans (provinces), 430 Shahrestans (sub-provinces), 1059 Bakhshes (counties), 1243 Shahrs (cities) and 2590 Dehestans (rural agglomerations).

In the year 1394 average maximum and minimum temperatures in Ostans' centers belong to Bandar Abbas with 27.8°C and Ardebil with 10.9°C respectively. Furthermore, the absolute maximum belongs to Ahvaz with 50.4°C and the absolute minimum goes to Ardebil with -16°C. Also in the said year, the highest annual precipitation of the country belongs to Rasht and Ilam, which amounted to 1388.3 and 842.4 mm, respectively, and Yazd and Esfahan with 38.4 and 96.3 mm respectively had the lowest annual precipitation amongst all Ostans' capitals. In the year 1394, the maximum frosty days belong to Shahr-e-Kord with 133 days, Orumiyeh with 108 days and Hamedan with 107 days; and Ahvaz, Bandar Abbas and Bushehr have not experienced any frosty day.

The volume of precipitation in national main basins during the aquatic year of 1393-94 was

approximately 338.846 bln m³ out of which the share of each basin is as follows: the Caspian Sea: 80.725 bln m³, the Persian Gulf and Oman Sea 101.152 bln m³, the Lake of Orumiyeh: 19.56 bln m³, Central Plateau: 108.311 bln m³, Eastern Border: 9.499 bln m³ & Qareh Qum 9.598 bln m³.

It is also noteworthy that the ratio of the area of main water basins to the total country area is as follows: the Caspian Sea 11.00%, the Persian Gulf and Oman Sea: 26.00%, Lake of Orumiyeh 3.00%, Central Plateau: 51.00%, Eastern Border 6.00% and Qareh Qum: 3.00%.

1. 1. LENGTH OF IRANIAN BORDERLINES, THE YEAR 1394**(km)**

Description	Borderline length
Total	8640
Iran-Iraq borderline	1608
Iran- Turkey borderline	566.1
Iran- Turkmenistan borderline	1190
Iran- Azerbaijan borderline	756.8
Iran- Armenia border	45
Northern coastline	524
Iran- Afghanistan borderline	919.1
Iran- Pakistan borderline	924.8
Southern coastline	2106

Source: Armed Forces Geographical Organization

1. 2. LONGITUDE AND LATITUDE OF OSTANS, THE YEAR 1394

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

Source: Armed Forces Geographical Organization.

1. 3. NUMBER OF SHAHRESTANS, BAKHSHES, CITIES AND DEHESTANS ACCORDING TO THE ADMINISTRATIVE DIVISIONS

Year	Number of Shahrestans	Number of Bakhshes	Number of cities	Number of Dehestans
1375	265	707	678	2227
1380	299	794	889	2305
1385	336	889	1015	2400
1390	400	994	1166	2507
1391	422	1041	1224	2566
1392	428	1058	1242	2589
1393	428	1058	1243	2589
1394	430	1059	1243	2590

Source Ministry of the Interior:

1.4. GENERAL CHARACTERISTICS OF OSTANS ACCORDING TO THE ADMINISTRATIVE DIVISIONS AT THE END OF THE YEAR 1394

Ostan	Capital of Ostan	Area ⁽¹⁾ (sq km)	Number of Shahrestans	Number of Bakhshes	Number of Cities	Number of Dehestans
Total country	××	1628792	430	1059	1243	2590
East Azarbayejan	Tabriz	45637	20	44	62	142
West Azarbayejan	Orumiyeh	37411	17	40	42	113
Ardebil	Ardebil	17813	10	29	26	71
Esfahan	Esfahan	107017	24	51	106	129
Alborz.	Karaj	5173	6	13	17	29
Ilam	Ilam	20132	10	26	25	49
Bushehr	Bushehr	22764	10	25	37	48
Tehran	Tehran	13640	16	33	43	71
Chaharmahal & Bakhtiari	Shahr-e-Kord	16336	9	25	40	50
South Khorasan.....	Birjand	150797	11	25	28	61
Khorasan-e-Razavi	Mashhad	118851	28	70	73	164
North Khorasan.....	Bojnurd	28434	8	19	22	45
Khuzestan	Ahvaz	64019	27	67	77	142
Zanjan	Zanjan	21773	8	17	21	48
Semnan	Semnan	97490	9	16	20	32
Sistan & Baluchestan.....	Zahedan	181785	19	48	37	112
Fars	Shiraz	122604	29	84	102	205
Qazvin.....	Qazvin	15567	6	19	25	46
Qom	Qom	11526	1	5	6	9
Kordestan.....	Sanandaj	29136	10	31	29	86
Kerman	Kerman	180725	23	58	71	151
Kermanshah	Kermanshah	25009	14	31	32	86
Kohgiluyeh & Boyerahmad	Yasuj	15519	8	19	17	45
Golestan	Gorgan	20367	14	27	29	60
Gilan	Rasht	14041	16	43	52	109
Lorestan	Khorramabad	28293	11	31	25	87
Mazandaran.....	Sari	23841	22	56	58	131
Markazi.....	Arak	29126	12	23	33	66
Hormozgan	BandarAbbas	70712	13	38	39	85
Hamedan	Hamedan	19367	9	25	29	73
Yazd	Yazd	73872	10	21	20	45

1. Only land area

Source: Ministry of the Interior.

1.1. COUNTRY DIVISIONS, THE YEAR 1394



1.5. BAKHSHEH, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT END OF THE YEAR 1394

Ostan and Shahrestan	Number of Bakhshes	Number of Cities	Number of Dehestans
Total country	1059	1243	2590
East Azarbayejan	44	62	142
Azarshahr	3	4	7
Osku	2	3	5
Ahar	2	2	9
Bostanabad	2	2	9
Bonab	1	1	3
Tabriz	2	4	6
Jolfa	2	3	5
Charoimaq	2	1	6
Khoda Afarien	3	1	7
Sarab	2	4	9
Shabestar	3	9	8
Ajabshir	2	2	4
Kaleibar	2	2	7
Maragheh	2	2	6
Marand	2	5	9
Malekan	2	3	5
Miyaneh	4	5	17
Varzaqan	2	2	7
Haris	2	5	6
Hashtrud	2	2	7
West Azarbayejan	40	42	113
Orumiyeh	5	5	20
Oshnaviyeh	2	2	4
Bukan	2	2	7
Poldasht	2	2	4
Piranshahr	2	2	5
Takab	2	1	6
Chaldoran	2	2	5
Chaypareh.....	2	1	4
Khoy	4	6	11
Sardasht	2	3	6
Salmas	2	2	7
Shahindezh	2	3	5
Shout	2	2	4
Maku	2	2	5
Mahabad	2	2	5
Miandoab	3	3	11
Naqadeh.....	2	2	4

1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1394 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Ardebil.....	29	26	71
Ardebil	3	2	10
Bilehsavar	2	2	4
Parsabad	4	4	8
Khalkhal	3	3	8
Sareyn	2	1	4
Kowsar	2	1	4
Garmi	3	2	9
Meshkinshahr	5	6	12
Namin	3	3	7
Nayer	2	2	5
Esfahan	51	106	129
Aran & Bidgol	2	4	3
Ardestan	2	3	7
Esfahan	6	14	19
Borkhar	2	7	4
Buin and Miyandasht	2	2	5
Tiran & Karvan	2	3	4
Chadegan	2	2	4
Khomeinishahr	1	4	3
Khansar	1	1	3
Khour& Biyabanak	1	3	3
Dehaghan	1	2	3
Semirom	4	4	8
Shahin Shahr& Meymeh	2	6	4
Shahreza	1	2	4
Feridan	2	2	5
Fereydunshahr	1	2	5
Falavarjan	3	8	6
Kashan	4	7	9
Golpayegan	1	3	3
Lenjan	3	9	7
Mobarakeh	2	5	5
Naeen	2	3	5
Najafabad	2	6	5
Natanz	2	4	5
Albor	13	17	29
Eshtehard	2	1	4
Savojbalagh	3	5	6
Taleghan	2	1	4
Fardis	2	2	4
Karaj	2	6	6
Nazarabad	2	2	5
Ilam.....	26	25	49

1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1394 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Abdanan	3	3	6
Ilam	3	2	6
Ivan	2	2	4
Badreh	2	1	4
Chardavel	4	5	7
Darrehshahr	2	2	4
Dehloran	4	4	8
Sirvan	2	1	4
Malekshahi	2	3	4
Mehran	2	2	2
Bushehr	25	37	48
Bushehr	2	4	2
Tangestan	2	3	4
Jam	2	3	5
Dashtestan	6	9	12
Dashti	3	4	7
Dayyer	3	5	6
Deylam	2	2	4
Asalouye	2	2	4
Kangan	1	3	2
Genaveh	2	2	2
Tehran	33	43	71
Eslamshahr	3	2	6
Baharestan	2	3	4
Pakdasht	2	3	6
Pardis	2	2	4
Pishva	2	1	4
Tehran	3	1	4
Damavand	2	5	5
Robotkarim	1	3	3
Rey	5	4	9
Shemiranat	2	4	3
Shahriar	1	7	6
Firuzkuh	2	2	5
Qods	1	1	2
Qarchak	1	1	2
Malard	2	2	4
Varamin	2	2	4
Chaharmahal & Bakhtiari	25	40	50
Ardal	2	4	4
Borujen	3	6	5
Bon	2	2	4
Saman	2	1	4
Shahr-e-Kord	3	9	6
Farsan	3	6	5
Kuhrang	3	3	7
Keyar	2	4	4
Lordegan	5	5	11
South Khorasan	25	28	61
Boshroye	2	2	4

1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1394 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Birjand	1	1	6
Khosaf.....	2	2	5
Darmiyān	3	4	6
Zeerkooḥ	3	2	6
Sarayan	2	3	4
Sarbisheh.....	3	2	6
Tabas.....	3	3	8
Ferdows	1	2	3
Qayenat	3	5	8
Nahbandan	2	2	5
<i>Khorasan-e-Razavi</i>	70	73	164
Bakharz.....	2	1	4
Bajestan.....	2	2	4
Bardaskan	3	3	6
Binalood.....	2	2	4
Taybad	2	3	4
Torbat-e-Jam	5	5	13
Torbat-e-Heydariyeh	4	4	8
Joghatay	2	1	4
Jovin.....	2	1	4
Chenaran	2	3	5
Khalil Abad	2	2	4
Khaf	4	5	8
Khooshab	2	1	5
Davarzan	2	1	4
Dargaz	4	4	7
Rashtkhar	2	2	4
Zaveh	2	1	4
Sabzevar	3	3	11
Serakhs	2	2	6
Fariman	2	4	5
Firooze	2	2	4
Quchan	2	2	5
Kashmar	2	2	5
Kalat	2	2	4
Gonabad	2	3	4
Mashhad	3	3	11
Mah-Velat	2	2	4
Neyshabur	4	7	13
<i>North Khorasan</i>	19	22	45
Esfarayen	2	2	7
Bojnurd	2	3	5
Jajarm	3	3	5
Raz & Jargalan.....	3	1	6
Shirvan.....	3	4	9
Faruj	2	2	5

1.5. BAKHSHEH, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1394 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Garmeh.....	1	3	2
Maneh and Samalqan	3	4	6
Khuzestan	67	77	142
Abadan	2	3	6
Aghajaree.....	2	1	2
Omidiyeh	2	2	3
Endika.....	3	2	6
Andimeshk	2	5	4
Ahvaz.....	3	2	6
Izeh	3	2	10
Baghmalek	3	4	8
Bavi.....	2	3	4
Bandar-e-Mahshahr	2	3	1
Behbahan	3	4	6
Hamidiyeh	2	1	4
Khorramshahr	2	3	4
Dezful	4	9	11
Dasht-e-Azadegan	2	4	5
Ramshir	2	2	4
Ramhormoz	4	1	8
Shadegan	3	3	8
Shush	3	5	7
Shushtar	3	4	6
Karoun.....	2	1	4
Gotvand	2	5	4
Lali	2	1	4
Masjed Soleyman	3	2	6
Haftgol	2	1	3
Hendiyan	2	2	4
Hovayzeh.....	2	2	4
Zanjan	17	21	48
Abhar	1	3	5
Ijerud	2	2	4
Khodabandeh	4	7	10
Khorramdarreh	1	1	2
Zanjan	3	3	13
Soltaniyeh.....	2	1	4
Tarom	2	2	5
Mahneshan	2	2	5
Semnan.....	16	20	32
Aradan.....	2	2	4
Bastam	2	3	3
Damghan	2	4	6
Sorkhe.....	1	1	2
Semnan	1	1	1
Shahrud	2	3	5
Garmsar	2	2	3
Mehdishahr.....	2	3	3
Mayamee	2	1	5
Sistan & Baluchestan	48	37	112
Iranshahr	3	4	7
Chabahar	3	2	6
Khash	3	2	11
Delgan	2	1	5
Zabol	1	2	1

1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1394 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Zahedan	3	2	6
Zahak	2	1	4
Saravan	3	5	8
Sarbaz	4	3	11
Sibsavarani.....	2	2	4
Fonuch	2	1	4
Qaser-e Qand.....	3	1	6
Konarak	2	2	4
Mehrestan.....	2	1	4
Mirjave.....	3	1	7
Neekshahr.....	4	3	11
Neemrooz.....	2	1	4
Hamoon.....	2	2	4
Hirmand.....	2	1	5
Fars	84	102	205
Abadeh	1	5	4
Arsanjan	1	1	3
Estahban	2	3	3
Eqlid	3	4	9
Bavanat	3	4	7
Pasargad	2	2	4
Jahrom	4	5	12
Kharameh.....	2	2	5
Khorrambid	2	2	3
Khonj	2	1	4
Darab	4	4	12
Rostam.....	2	2	4
Zarrindasht	2	3	5
Sepidan	3	3	8
Sarvestan.....	2	2	4
Shiraz	3	6	12
Farashband	2	3	4
Fasa	4	6	8
Firuzabad	2	2	5
Qirokarzin	2	5	5
Kazerun	6	6	14
Kavar.....	2	1	4
Gerash.....	2	1	4
Larestan	6	8	13
Lamerd	4	4	8
Marvdasht	5	5	15
Mamasani	3	3	9
Mohr	4	5	8
Neyriz	4	4	9
Qazvin.....	19	25	46
Abyek	2	2	5
Avaj.....	2	2	5
Alborz	2	4	4
Boyinzahra	4	5	9

1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1394 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Takestan	4	5	9
Qazvin	5	7	14
Qom	5	6	9
Qom	5	6	9
Kordestan	31	29	86
Baneh	4	4	8
Bijar	3	5	11
Dehgalan	2	2	5
Divandarreh	3	2	8
Sarvabad	2	2	8
Saqqez	4	2	11
Sanandaj	4	2	12
Qorveh	4	4	10
Kamyaran	2	2	7
Marivan	3	4	6
Kerman.....	58	71	151
Arzooeyeh.....	2	1	5
Anar	1	2	2
Baft	2	2	6
Bardsir	4	5	8
Bam	2	2	4
Jiroft	4	4	14
Rabar.....	2	2	4
Ravar	2	2	3
Rafsanjan	4	5	14
Rudbar-e-Jonub.....	2	2	4
Reegan	2	2	4
Zarand	2	4	11
Sirjan	5	7	10
Shahr-e-Babak	2	5	9
Anbarabad	2	3	7
Faryab	2	1	4
Fahraj.....	2	1	4
Ghaleh-Ganj	2	1	5
Kerman	6	13	16
Kohbonan	2	2	3
Kahnuj	2	1	5
Manujan	2	2	5
Narmashir	2	2	4
Kermanshah.....	31	32	86
Eslamabad-E-Gharb	2	2	7
Paveh	3	5	5
Salas-e-Babajani	2	2	4
Javanrud	2	1	4
Dalahu	2	3	5
Ravansar	2	2	6

1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1394 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Sar-e-pol-e-Zahab	2	1	8
Sonqor	2	2	8
Sahneh	2	2	7
Qasr-e-Shirin	2	2	4
Kermanshah	5	4	13
Kangavar	1	2	5
Gilan-e-Gharb	2	2	6
Harsin.....	2	2	4
<i>Kohgiluyeh & Boyerahmad</i>	19	17	45
Basht	2	1	4
Bahmaee	2	1	4
Boyerahmad	4	5	11
Cheram.....	2	2	4
Dena	2	2	4
Kohgiluyeh	4	4	10
Gachsaran.....	1	1	4
Lande.....	2	1	4
<i>Golestan.....</i>	27	29	60
Azadshahr	2	3	4
Aq Qala	2	2	5
Bandar Gaz	2	2	4
Torkaman	2	1	4
Ramyān	2	4	4
Aliabad	2	4	4
Kordkuy	1	1	3
Kalaleh	2	2	5
Galikesh.....	2	1	4
Gorgan	2	3	5
Gomishan.....	2	2	4
Gonbad-e-Kavus	2	2	6
Marave-Tapeh.....	2	1	4
Minudasht	2	1	4
<i>Gilan.....</i>	43	53	109
Astara	2	2	4
Astane-ye-Ashrafiyeh	2	2	6
Amlash	2	2	5
Bandar Anzali	1	1	2
Rasht	6	7	18
Rezvanshahr	2	2	4
Rudbar	4	7	10
Rudsar	4	5	10
Siahkal	2	2	5
Shaft	2	2	4
Sumaehsara	3	3	7
Tavalesh	4	5	10

1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1394 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Fuman	2	4	6
Lahijan	2	2	7
Langrud	3	5	7
Masal	2	2	4
<i>Lorestan.....</i>	31	25	87
Azna	2	2	4
Aligudarz	5	2	12
Borujerd	2	2	7
Poldokhtar	2	2	7
Khorramabad	4	4	17
Delfan	3	2	10
Dorud	2	2	5
Doreh	3	2	6
Rumeshkan	2	1	4
Selseleh	2	2	6
Kuhdasht	4	4	9
<i>Mazandaran</i>	56	58	131
Amol	5	5	11
Babol	6	7	13
Babolsar	3	3	6
Behshahr	2	3	5
Tonkabon	3	4	7
Juybar	2	2	4
Chalus	2	3	4
Ramsar	1	2	4
Sari	6	4	15
Savadkuh	2	3	4
Savadkuh-e Shomali	2	1	4
Seemorgh	2	1	4
Abbasabad.....	3	3	5
Ferydonkenar	2	1	4
Qaemshahr	1	2	5
Kelardasht	1	1	2
Galugah	2	1	4
Mahmoudabad	2	2	5
Miandorood.....	2	1	5
Neka	2	1	5
Nur	3	5	9
Noshahr	2	3	6
<i>Markazi.....</i>	23	33	66
Ashtian	1	1	3
Arak	3	4	11
Tafresh	1	1	4
Khomein	2	2	7
Khondab	2	2	5
Delijan	1	2	4

1. 5. BAKHSHEH, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1394 (continued)

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Zarandiyeh	2	5	6
Saveh	2	4	7
Shazand	4	6	9
Farahan	2	2	4
Komeijan	2	2	4
Mahallat	1	2	2
Hormozgan.....	38	39	85
Abumusa	2	1	2
Bastak	3	3	7
Bashagerd	3	2	6
Bandar Abbas	4	5	11
Bandar Lengeh	4	5	8
Parsiyan	2	3	4
Jask	2	1	5
Hajiabad	3	3	6
Khamir	2	2	4
Rudan	4	3	10
Sireek	2	3	4
Qeshm	3	4	7
Minab	4	4	11
Hamedan.....	25	28	73
Asadabad	2	2	6
Bahar	3	3	6
Tuysarkan	2	3	7
Razan	3	3	7
Famenin	2	1	4
Kabudarahang	3	3	10
Malayer	4	5	15
Nahavand	4	4	9
Hamedan	2	4	9
Yazd.....	21	20	45
Abarkuh	2	2	4
Ardakan	3	3	5
Ashkzar	2	2	2
Bafgh	1	1	3
Behabad	2	1	3
Taft	3	2	10
Khatam	2	2	4
Mehriz	1	1	5
Meybod	3	3	5
Yazd	2	3	4

Source: Ministry of the Interior.

**1.6.METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS
FROM THE YEAR OF ESTABLISHMENT TO THE END OF THE YEAR 1393**

Capital of Ostan	Year of the establishment	Station characteristics							Height from the sea level
		Geographic longitude and latitude							
		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	
Esfahan	1330	22	42	51	3	31	32	1550	
Ahvaz	1330	39	44	48	41	20	31	22.5	
Ilam	1361	52	23	46	16	35	33	1337	
Bojnurd	1355	12	18	57	14	29	37	1112	
Bandar Abbas	1335	22	22	56	53	12	27	9.8	
Bushehr	1330	16	49	50	14	54	28	6	
Birjand	1334	1	17	59	26	53	32	1491	
Tabriz	1327	33	14	46	20	7	38	1345	
Tehran	1321	34	18	51	36	41	35	1191	
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	
Zanjan	1335	18	31	48	37	39	36	1659.4	
Sari	1378	12	59	52	12	32	36	23	
Semnan	1342	17	25	53	18	35	35	1127	
Sanandaj	1338	53	0	47	16	15	35	1373.4	
Shahr-e-Kord	1334	22	50	50	14	54	28	2050	
Shiraz	1336	9	36	52	41	33	29	1488	
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	
Kermanshah	1321	12	9	47	8	21	34	1318.5	
Gorgan	1331	49	24	54	18	54	36	0	
Mashhad	1328	52	37	59	11	14	36	999	
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 1393(continued)**

Capital of Ostan	Air tempreture (°C)					Average annual precipitation (mm)	Max. daily precipitation (mm)
	Average max	Average min	Mean	Absolut min	Abolute max		
Arak	20.8	7.2	13.7	-30.5	44	326.6	80
Ardebil	15.6	3.4	9.3	-33.8	39.8	289.1	63
Orumiyeh	17.8	5.4	11.2	-22.8	39.2	327.1	79
Esfahan	23.5	9.1	16.3	-19.4	43	124.9	48
Ahvaz	33.2	17.9	26.1	-7	54	216.4	107
Ilam	22.6	11.2	17.1	-13.6	42	557.4	162
Bojnurd	19.9	7	13.2	-25	42.3	255.1	54.3
Bandar Abbas	32.2	21.8	27.2	2	51	168.9	128
Bushehr	28.3	21.2	24.8	3	47	254	168
Birjand	24.7	8.6	16.8	-21.5	44	163.5	52
Tabriz	18.2	7.2	12.1	-25	42	272.2	63
Tehran	22.8	12	17.3	-15	43	228.8	50.4
Khorramabad	25.3	9.1	17.3	-14.6	47	487.1	78
Rasht	21.1	11.6	16.1	-19	40	1322.6	170
Zahedan	26.9	10.2	18.6	-22	43	84.9	52
Zanjan	18.2	4.2	11.5	-30	43	311.8	50.6
Sari	22	13.3	17.4	-6	40.6	752.6	85.4
Semnan	23.9	12.5	18.2	-12.6	44	137.8	41
Sanandaj	21.6	5.9	14.3	-31	44	437.9	73
Shahr-e-Kord	20.2	3.1	12.2	-32.4	42	311.5	88.8
Shiraz	25.8	9.9	18	-14	43.2	329.3	128
Qazvin	21.3	6.9	14.2	-24	43	310.2	50
Qom	25.8	10.6	18.3	-23	47	131.9	43
Karaj	21.3	8.7	15.4	-17	42	248.6	57
Kerman	24.8	7	17	-30	42	138.3	60
Kermanshah	22.8	6.2	14.9	-27	44.1	415	108
Gorgan	22.8	12.7	17.5	-11.8	45	562.6	105
Mashhad	21.2	7.5	14.1	-28	43.8	248.1	52
Hamedan	19.4	3.8	12	-32.8	40	309.2	56
Yasuj	22.5	7.5	14.6	-19	40.4	783.4	135
Yazd	26.6	19.6	19.6	-16	45.6	57.4	48

**1.6. METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS
FROM THE YEAR OF ESTABLISHMENT TO THE END OF THE YEAR 1393(continued)**

Capital of Ostan	Mean of relative humidity (%)		Average number of frosty days	Average total bright sunshine (hours)	Max. wind speed (mps)
	Max.	Min.			
Arak	63	30.9	84	2825	60
Ardebil	89	52.5	111	2424.7	37
Orumiyeh	78.2	41.2	106	2671.8	40
Esfahan	57.9	23	71	3029.6	30
Ahvaz	63	27.3	3	2723.3	35
Ilam.....	54.3	26.3	38	2786.3	25
Bojnurd	79.6	39	83	2618	45
Bandar Abbas	81.7	46.6	0	2862.6	30
Bushehr	80	54.1	0	2825.8	30
Birjand	52.8	21.3	71	3078	26
Tabriz	70.6	35.9	85	2680.6	38
Tehran	55.5	27.1	44	2856.4	30
Khorramabad	64.5	28.3	48	2834.5	30
Rasht	95.5	65.9	21	1480.2	31
Zahedan	49.3	18.3	52	3035.9	41
Zanjan	74.7	36.2	118	2744.1	28
Sari	91.9	59.6	8	1968.9	25
Semnan	53.8	29.2	42	2925.9	26
Sanandaj	69.8	28.3	94	2788.4	70
Shahr-e-Kord	67.1	29	123	3006.8	25
Shiraz	60.3	23.5	43	3127.4	30
Qazvin	72.9	32.1	80	2752.4	39
Qom	60.6	26.6	53	3005.8	31
Karaj	69.2	31.5	60	2859.1	30
Kerman	50.8	18.8	87	3051	50
Kermanshah	65.6	28.4	87	2736.2	31
Gorgan	85.5	52.8	17	1980.5	31
Mashhad	72.9	35.5	77	2752	23
Hamedan	74.3	33.8	109	2666.2	31
Yasuj.....	65.6	24.7	65	3072	30
Yazd	45.1	19	46	3076.7	33

Source: I. R. I. Meteorological Organization.

1.7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1394

Capital of Ostan	Air temperature (°c)					Annual precipitation (mm)
	Average max	Average min	Mean	Absolut min	Absolut max	
Arak	22	8.3	15.1	-8.8	40.2	284.8
Ardebil	17.1	4.7	10.9	-16	40.4	296.5
Orumiyeh	19.3	5.7	12.5	-14.8	39.9	277.3
Esfahan	24.8	10.5	17.7	-6.6	39.8	96.3
Ahvaz	34.3	20.4	27.3	2	50.4	269.7
Ilam	24.6	11.3	18	-8.2	44.4	842.4
Bojnurd	21.6	8	14.8	-8.2	40.6	227.4
Bandar Abbas	33.1	22.4	27.8	6.5	46.7	152.2
Bushehr	30.4	22.5	26.5	7.4	43.9	272.5
Birjand	25.5	9.3	17.4	-10.3	39.8	144.3
Tabriz	19.8	8.2	14	-14.8	40.2	286.9
Tehran	23.9	14.2	19.1	-4.8	42.2	209.3
Khorramabad	26	9.9	17.9	-5	43.6	535.6
Rasht	21.4	13.3	17.3	-5	36.4	1388.3
Zahedan	27.7	11.8	19.8	-8.4	40.6	103.7
Zanjan	21.1	6.8	14	-13	40.5	283.1
Sari	23.2	14	18.6	-1.4	42.6	724.7
Semnan	25	14	19.5	-5.6	42.6	107.5
Sanandaj	23.4	7.3	15.4	-9.8	42.6	444.4
Shahr-e-Kord	21.3	2.3	11.8	-15.3	36.5	309.7
Shiraz	26.8	11	18.9	-3.6	40.4	271.5
Qazvin	23	8.4	15.7	-10.5	41.3	313.7
Qom	27.6	11.6	19.6	-6.1	45.9	111.6
Karaj	22.9	10.5	16.7	-9.3	41.4	220.5
Kerman	26.1	8.3	17.2	-8.9	39.1	109.8
Kermanshah	24.3	8.7	16.5	-8.6	42.5	512.8
Gorgan	25	12.6	18.8	-2.8	46.2	477.8
Mashhad	23.8	10.6	17.2	-5.9	40.6	183.4
Hamedan	21	5.2	13.1	-15.6	39.8	215.7
Yasuj	23.6	7.9	15.7	-6.6	40	611.1
Yazd	28.1	14.6	21.3	-4	43.3	38.4

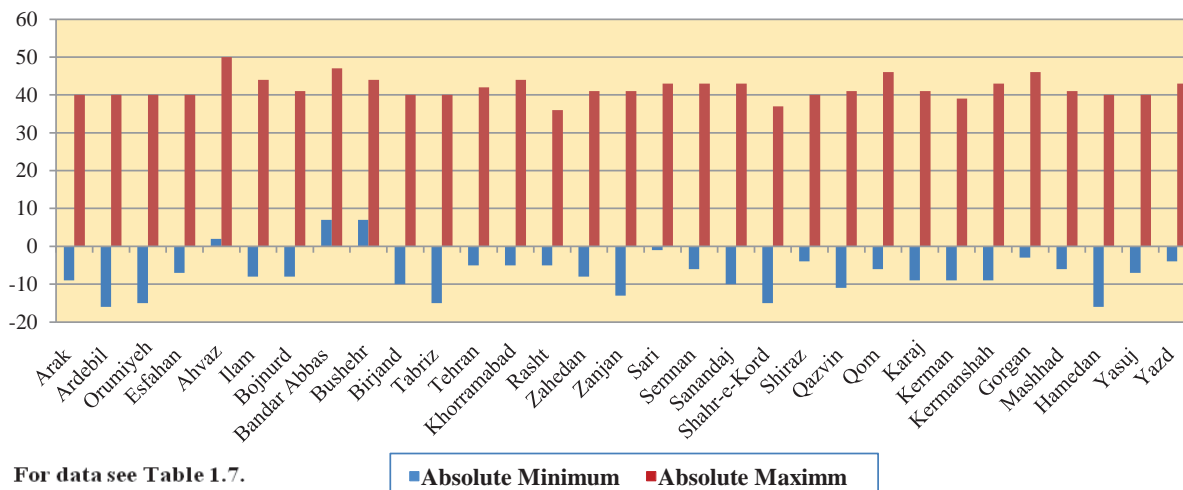
1. 7. METEOROLOGICAL DATA OF CAPITALS OF OSTANS, THE YEAR 1394(continued)

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	23.9	60.5	26.6	78	84	2968.2	27
Ardebil	28.6	86.2	46.5	101	11	2671	27
Orumiyeh	35.2	76.7	37.4	108	16	2902	23
Esfahan	13.7	49.6	17.7	62	50	3430.3	22
Ahvaz	39.8	65.3	28.2	0	79	3155.5	16
Ilam	188.4	56.5	25.2	33	70	3122	30
Bojnurd	25.3	78.3	35.4	82	23	2953	19
Bandar Abbas	33.4	81.9	45	0	139	3269.3	22
Bushehr	38	79.2	52.9	0	52	3063	40
Birjand	29.5	46.9	14.6	67	61	3435.3	16
Tabriz	21.6	69.4	34.7	88	28	2784.2	21
Tehran	21.8	47.7	21.7	13	24	2983.2	22
Khorramabad	31.6	63.8	23.6	49	69	2929	20
Rasht	87.3	96.2	64.4	9	4	1885.8	18
Zahedan	17.7	45.7	17.5	45	85	3442.3	16
Zanjan	24.2	69.7	35.6	82	31	2850.4	26
Sari	75.4	93.1	61.1	3	1	2134.3	27
Semnan	31.9	45.8	21.5	31	27	3204.9	16
Sanandaj	67.4	66.5	25.6	92	53	2970.7	15
Shahr-e-Kord	29.3	66.2	22.9	133	42	3258.3	32
Shiraz	50.8	58.9	18.4	43	73	3360.1	16
Qazvin	31.1	72.1	30.5	65	20	3019.1	26
Qom	11.9	56.8	24.1	49	113	3211.3	25
Karaj	19.2	64.2	28.5	42	45	3050.8	27
Kerman	17.6	48.1	13.1	71	23	3486.3	25
Kermanshah	63.3	56.9	21.3	63	48	2980	17
Gorgan	41.5	91.5	53.4	21	6	2289.1	26
Mashhad	19.7	63.1	26.7	40	11	3101.3	25
Hamedan	18.5	66.6	30.2	107	33	3013.6	29
Yasuj	83.2	63	19.9	79	34	3230.6	14
Yazd	9.3	37.3	13.6	21	53	3490.7	24

Source: I. R. I. Meteorological Organization.

1.2. ABSOLUTE MAXIMUM AND MINIMUM TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1394

Celsius

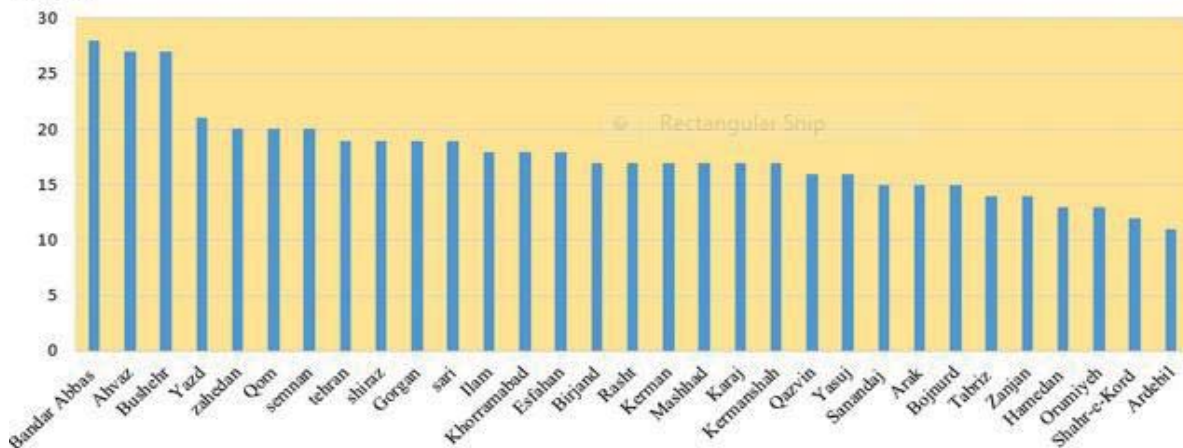


For data see Table 1.7.



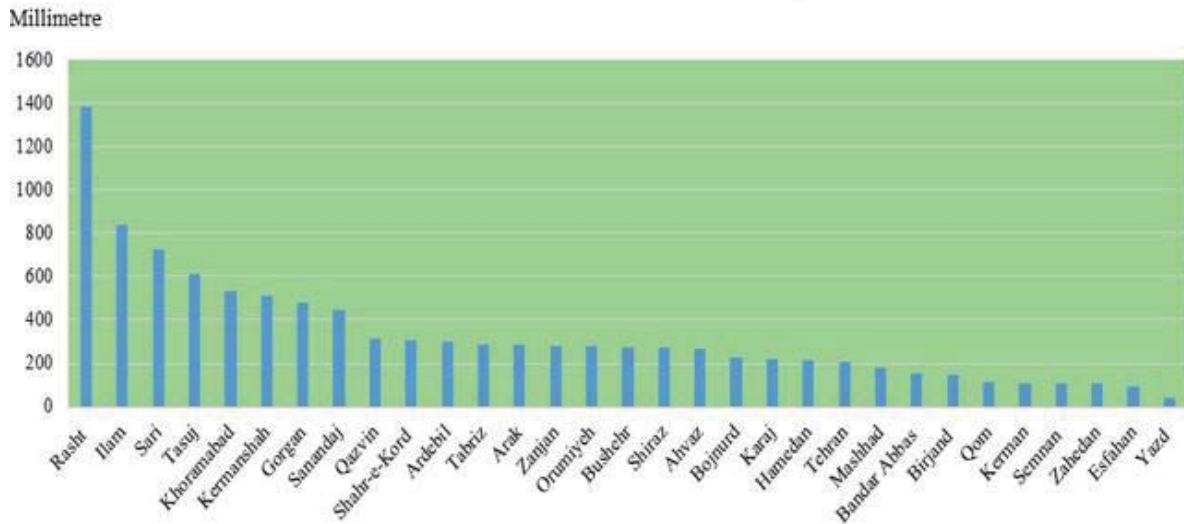
1.3. AVREAGE ANNUAL TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1394

Centigrade



For data se Table 1.7

1.4. ANNUAL RAINFALL IN CAPITALS OF OSTANS, THE YEAR 1394



For Data see Table 1.7

1.8. HIGHEST MAXIMUM TEMPRETURE, LOWEST MINIMUM TEMPRETURE AND AVERAGE MONTLY TEMPRETURE IN CAPITALS OF OSTANS, THE YEAR 1394 (°c)

Capital of Ostan	Farvardin			Ordibehesht			Khordad		
	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp
Arak	25.2	-2	12	31	2.6	18.5	37.4	12.2	24.8
Ardebil	25.4	-4.2	7.6	28.8	-2.8	13	33.2	5	17.9
Orumiyeh	26	-3.6	9.6	29	0.4	15.2	33.4	7.6	20.9
Esfahan	28	0.6	15.2	33.2	7.2	21.5	39.8	18	27.9
Ahvaz.....	38.4	9	23.9	43.4	14.4	30.9	49.6	22.6	37.2
Ilam	27.4	0.2	12.8	33.7	1	19.7	44.4	13.2	26.6
Bojnurd	29	-0.8	12.1	34.4	1.8	18.2	38	10.6	24.4
Bandar Abbas	36.8	15	26.3	42	21.6	30.7	46.7	23.9	33.6
Bushehr.....	36.3	14.9	24	41.1	19.4	29	43.9	24.9	32.7
Birjand	32.1	1.2	17	35.3	6.3	22.3	39.8	10.9	25.7
Tabriz	25.6	-0.8	10.1	29.6	1.6	15.3	34.6	10.2	22.7
Tehran.....	28.6	3.6	15.9	33.8	7	23	39.6	18.2	29.4
Khorramabad	29.4	-0.6	13.5	35	2	20.2	40.4	11.8	26.4
Rasht	31	5	12.5	26.6	7.6	17.7	36	16	24.6
Zahedan	33.7	5.9	20.3	39.2	11.2	25	39.7	13	27.4
Zanjan	26.7	-1.1	10.5	30.6	0	16.7	36.4	6.4	22.3
Sari	32.4	4.4	13.9	33.4	7.4	19.3	42.6	16.4	26.4
Semnan	30	1.2	17	35	9.4	24	41.2	18.8	30.8
Sanandaj	27	-1.6	10.6	33.6	-0.4	17.7	38	8.2	23.8
Shahr-e-Kord	23	-7.9	9.3	28.1	-4.1	13.8	35	3.3	19.5
Shiraz	33	-0.2	16.6	35	7.4	22.1	39.4	13.6	27.8
Qazvin	27	-0.8	12.2	33.5	2.6	19.1	38.7	9.5	25.1
Qom	34.5	2	17.1	39	6.8	24.2	43.8	17.3	30.3
Karaj.....	28.8	0.2	13.5	33.5	3.6	20	38.6	11	26
Kerman	32	1.2	16.9	35.8	8.2	21.3	38	12	25.1
Kermanshah	28.6	-1.4	12	33.5	0.7	18.7	39	9.9	25.1
Gorgan	39.8	2	14	36.2	3.8	20	46.2	16.6	27.4
Mashhad	31.7	-1.6	14.8	36.9	7.6	22.1	39.2	12.2	26.8
Hamedan	24.7	-3.6	9.6	29.7	-1.9	15.8	35.6	7.7	21.9
Yasuj	25	-1.2	12.5	30	4.6	17.9	36.5	9.4	23.7
Yazd	33.8	5.7	20	41	12	25.9	42.2	19.7	31.6

1.8. HIGHEST MAXIMUM TEMPRETURE, LOWEST MINIMUM TEMPRETURE AND AVERAGE MONTLY TEMPRETURE IN CAPITALS OF OSTANS, THE YEAR 1394
(continued)

(°c)

Capital of Ostan	Tir			Mordad			Shahrivar		
	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp
Arak	40.2	15	28.3	37.8	16.2	26.8	36.2	8.4	23.1
Ardebil	40.2	5.4	20	40.4	7.6	20.2	29	3.4	16.8
Orumiyeh	39.9	10.6	25.3	38.2	12.6	24.9	32.6	7	20.6
Esfahan	39.8	16.6	29.6	38	17	27.6	38.8	10	25.2
Ahvaz.....	50.2	27.8	38.8	50.4	28.4	39.7	48.6	22.8	37.2
Ilam	41.2	14.8	29.5	41.4	20.5	31.2	36.8	16.3	27.5
Bojnurd	40	11.6	26.6	40.6	11.8	25.6	33	6.8	20.7
Bandar Abbas	45.6	27.3	34.8	45.7	29.9	35.4	43.2	23.4	34
Bushehr.....	43.2	27.7	33.1	41.4	29.3	35.3	41.5	27.7	34.3
Birjand	39.7	13.9	28.7	38.8	10.3	25.8	39.5	7.6	22.5
Tabriz	40	16.2	28.2	40.2	18	29.2	34	9.4	23
Tehran.....	42.2	18	32	40	22.4	31	36	15.6	26.5
Khorramabad	43.6	14.2	30.3	42.2	16.4	30.6	39.6	12.2	26.8
Rasht	35	19.4	27	36.4	19.4	27.4	32.8	15	24.1
Zahedan	40.2	17.6	29.9	39	14.1	27.5	40.6	9	24.2
Zanjan	40.5	9	26.6	39.6	11.1	25.8	35.4	5.8	21.5
Sari	35	19.4	28.4	38	21	29.2	34	13.8	25.8
Semnan	42.6	19.2	33.4	41.4	21.6	31.2	36.4	12.6	26.7
Sanandaj	42.6	11.8	28.9	41.8	14.8	28.7	37.4	9.4	24.1
Shahr-e-Kord	36.5	8.3	23.1	34.6	6.2	21.3	34	1.8	18.9
Shiraz	40.4	18	29.9	39.2	16.6	28.4	39.2	11.6	26.4
Qazvin	41.3	13.4	28.4	40.5	14.1	27.1	36	9.6	23.1
Qom	45.9	18.9	32.9	44	18.3	31.1	40.2	10.5	27.1
Karaj.....	41.4	14.1	29	39.7	16.9	28.6	35.5	13.1	23.9
Kerman	39.1	13.5	27.5	36.8	9.9	24.4	37.5	6.6	23
Kermanshah	42.5	13.5	29.2	41.3	16.3	29.7	37.7	12.3	25.3
Gorgan	40.8	15.2	29.5	42.1	19.2	29.9	37.1	12.5	26.3
Mashhad	40.6	18	29.7	39.8	17	27.9	35.2	11.1	22.5
Hamedan	39.8	11.4	26.4	38.2	11.7	25.1	35	6.2	20.8
Yasuj	40	13.4	27	38.4	15	26	36.2	10	23.4
Yazd	43.3	20.8	33.2	40.3	19.6	30.5	41.5	12.7	28.1

1.8. HIGHEST MAXIMUM TEMPERATURE, LOWEST MINIMUM TEMPERATURE AND AVERAGE MONTHLY TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1394
(continued)

(°C)

Capital of Ostan	Mehr			Aban			Azar		
	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp
Arak	31	5	18.7	25.2	-1.4	9.7	17	-8.8	1.9
Ardebil	28.2	3	13.4	25.6	-4.4	7.5	17.4	-10	2.6
Orumiyeh	30.4	1	16.2	23.4	-3.6	8.6	15.4	-8.8	0.6
Esfahan	31.6	8.8	21	26.8	0	12.8	23.4	-6.2	5.9
Ahvaz.....	44.2	18.2	32	37	11.6	22.2	27.6	4.2	15.2
Ilam	34.5	9.6	22.4	28	1.4	12.9	19.8	-8.2	7.8
Bojnurd	33	0.2	16.3	26.2	-2.4	9.3	18.4	-7.6	4.3
Bandar Abbas	44	23	31	36.6	14	26.4	30.7	6.5	20.3
Bushehr.....	40.4	24.1	31.5	34.9	15	24.6	30.8	7.4	19
Birjand	32.6	2.2	19.6	29.5	-2.4	13.4	23.3	-10.3	6.4
Tabriz	32	2.4	17.8	25.4	-1.8	8.6	14.6	-10.4	1.7
Tehran.....	32.4	7.2	22.3	26	3	12.8	17.8	-1.5	7
Khorramabad	35.4	7.4	21.6	28.2	2	13.3	20.4	-4.7	7
Rasht	29.2	9.6	20.6	26.2	5.2	14.1	27.6	1.2	10
Zahedan	35.4	7	22	29.2	2.6	15.9	27.6	-8.4	9.1
Zanjan	33.6	2.1	17.3	27.3	-2.6	9.5	17.8	-12	2.5
Sari	36.8	8.6	22.3	31	4.4	14.9	23	0.6	10.5
Semnan	33.2	10.4	22.6	27.4	1.7	13.2	18	-2.4	6.6
Sanandaj	34.2	3.2	19.1	28.2	-1.8	10.1	17.8	-6	3.6
Shahr-e-Kord	29.1	-1.5	14.7	25.4	-7.9	9.6	16.8	-10.4	2.2
Shiraz	33.6	8.8	22.1	28.6	2	15	20.6	-2.6	8.9
Qazvin	34.1	2.1	19	25.9	-1.8	10.3	17.7	-5.8	4.5
Qom	37.6	6.6	22.5	28.7	0.6	13.6	21.6	-5.1	7
Karaj.....	32.7	4.1	19.7	24.9	0.8	10.9	16.2	-3.7	4.8
Kerman	32.6	6	19.6	29.3	-0.9	13.7	26	-8.9	6.6
Kermanshah.....	34.6	5.6	20.2	27.5	-0.1	11.5	17.3	-8.2	5.4
Gorgan	41.2	5.2	22.1	32.8	3.1	14.6	17.9	-2.2	8.3
Mashhad	35.9	3.7	18.7	27.3	0.6	11.5	23.5	-5.9	6.3
Hamedan	31.3	2	16.9	24.7	-3	8.5	15.8	-11	1
Yasuj	32	6	19.3	26.4	-0.4	11.7	20	-6.6	6.4
Yazd	35.5	12.9	24.3	31.2	3.3	15.9	26.9	-4	9.4

1.8. HIGHEST MAXIMUM TEMPRETURE, LOWEST MINIMUM TEMPRETURE AND AVERAGE MONTLY TEMPRETURE IN CAPITALS OF OSTANS, THE YEAR 1394 (continued)
(°c)

Capital of Ostan	Dey			Bahman			Esfand		
	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp	Highest max. Temp	Lowest min. Temp	Mean Temp
Arak	15.8	-8	3	19.2	-8.6	3.6	23.6	-1.6	9.9
Ardebil	13.6	-11	3.5	13.8	-16	0.6	20	-13.2	7.1
Orumiyeh	10.4	-14.8	-1.3	17.4	-14.2	0.8	18.4	-3.7	7.9
Esfahan	18.2	-6.6	5.4	18.2	-6.4	5.6	25	1.4	12.8
Ahvaz.....	21.8	5.2	13.8	28.2	2	14.7	31.8	11.2	20.9
Ilam	18.2	-5.6	6.5	18.4	-6.6	6.4	21.4	1.4	11.3
Bojnurd	19.2	-4.4	5.7	19.2	-8.2	3.3	27.2	-1.8	9.7
Bandar Abbas	27.2	8.2	18.5	28.2	7.5	18.4	31.1	13.3	22.9
Bushehr.....	24.9	8.2	16.4	23.8	7.9	15.8	30.7	13.3	21.3
Birjand	21.8	-7.9	6.6	21.6	-9	6.1	27.6	-1.1	13.2
Tabriz	11.6	-13.2	0.4	15.2	-14.8	1.3	19.2	-3	8
Tehran.....	17.2	-2.2	7	17	-4.8	7	24.4	2	13.9
Khorramabad	18.8	-3.4	6.4	19.2	-5	6.4	23	-0.2	11.7
Rasht	27	-1.2	10.6	29.5	-5	7.5	26	1.8	11.5
Zahedan	22.2	-5.5	9.4	24.4	-5.4	9.2	29.2	2.2	15.7
Zanjan	14.8	-12.5	2.6	17.1	-13	2.3	20.8	-4.7	8.8
Sari	32.4	1.2	10.9	27	-1.4	8.9	29.8	3	12.2
Semnan	15.6	-3.6	5.9	17.4	-5.6	6.8	26.4	2.7	14.3
Sanandaj	16	-8.2	3.2	18	-9.8	3.5	20.2	-2.6	9.9
Shahr-e-Kord	13.8	-15.3	1.1	17	-14.3	0.7	21.8	-8.5	6.4
Shiraz	17.8	-2.4	7.5	21	-3.6	7.7	24.2	1.4	13.4
Qazvin	15.5	-7.1	4.2	17.3	-10.5	4.2	22.2	-2.2	10.4
Qom	19.5	-3.5	6.8	22.8	-6.1	7.1	27.7	1.4	14
Karaj.....	17	-4.8	5	16.7	-9.3	5.1	23.2	0.1	11.9
Kerman	22.1	-7.6	7.2	22.3	-8	6.9	29.4	-1.8	13
Kermanshah.....	17.6	-6.5	5.1	18.1	-8.6	4.5	21	-2.3	10.2
Gorgan	26.9	-1.3	9.6	25.5	-2.8	7.7	26.3	-0.5	11.4
Mashhad	22.2	-2.4	7.7	22.2	-5	5.6	27.4	0.7	12.1
Hamedan	14.5	-15.6	1.1	16.6	-13	1.5	20.1	-6.3	7.5
Yasuj	16.8	-5	4.9	18.2	-6	4.8	25	-2	10.1
Yazd	23.3	-2.2	9.7	25.3	-2.7	9.4	29.2	6.6	17

Source: I. R. I. Meteorological Organization.

1.9. TOTAL PRECIPITATION IN CAPITALS OF OSTANS BY MONTH , THE YEAR 1394
(mm)

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	81.5	9.8	4.5	6	0	4.2
Ardebil	38	26.6	7	2.6	0	48.5
Orumiyeh	17.5	39.1	8.4	0	0	10.1
Esfahan	39	21.9	0	12.5	0	0.2
Ahvaz.....	31	0	0	0	0	0
Ilam	48.9	10.6	0	0.6	9.4	1.4
Bojnurd	29.5	11.1	0.6	14.6	0.8	29.7
Bandar Abbas	12.5	0.4	3.3	0	1.7	7.7
Bushehr.....	5.4	0.7	0	0	0.2	0.9
Birjand	64.1	3.6	0.4	0	0	0
Tabriz	43.6	42	4.8	0.9	0	26.4
Tehran.....	45.6	2	2.2	9.6	0	2.1
Khorramabad	51.4	12.6	0.2	1.3	0	16.7
Rasht	166.3	15.9	0	81	8.6	150
Zahedan	4.9	0.1	0	0	0	0.4
Zanjan	88.9	6.6	0.3	0.9	0.2	2.9
Sari	27.8	12.5	0.6	79.3	23.2	77.2
Semnan	18.8	0.9	0	2.2	0	35.4
Sanandaj	54.9	8	0.1	0	2	5.9
Shahr-e-Kord	107.9	13.5	0.2	21.7	1.7	4.9
Shiraz	50.8	10.8	0	0	1.1	0
Qazvin	75	0.8	1.8	14.7	0	2.7
Qom	19.5	4.8	3.2	2.3	0	6.5
Karaj.....	52.3	2	7.5	2.6	0	4.4
Kerman	15.2	4	0	1.2	0.3	0.9
Kermanshah.....	51.7	6.9	3.5	0	3.2	3
Gorgan	25.5	7.6	0.1	30.6	0	47.6
Mashhad	27.9	23.9	0.9	0	0	0.4
Hamedan	57.6	4.8	0.2	4.4	0	15.3
Yasuj	161.4	16.6	0	0	0.4	0.3
Yazd	14.5	8.1	0	0.1	0	0

**1.9. TOTAL PRECIPITATION IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1394
(continued)**

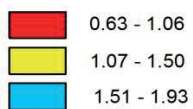
Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	5.8	93.2	27.7	28.2	16.3	7.5
Ardebil	51.6	45.9	13.9	6.6	23.7	31.9
Orumiyeh	8.4	65	44.7	27	41.5	15.5
Esfahan	0	6.2	5.1	6.8	0	4.6
Ahvaz.....	0	79.6	52.4	74.9	4.4	27.4
Ilam	3.2	443.2	68	140.2	61.9	54.9
Bojnurd	21.6	37.4	10.9	17.9	29	24.2
Bandar Abbas	3	51	0	65.3	1.8	5.4
Bushehr.....	0	139	3.6	99	11.9	11.8
Birjand	6.2	11.2	5.7	21.9	0.9	30.2
Tabriz	24.1	86.2	10.8	13.5	5.3	29.2
Tehran.....	7.8	47.3	46.1	30.6	7.8	8
Khorramabad	14	191	96.1	57.5	30.8	63.9
Rasht	231.9	321.4	130.3	21.7	200	61.1
Zahedan	34.7	8.5	1	31.1	1.5	21.4
Zanjan	16.6	74.4	14.7	14.5	31.3	31.6
Sari	94.3	106.4	52.1	55.2	91.7	104.2
Semnan	2.4	13	7.3	19.6	7	0.8
Sanandaj	0.7	205.7	39.9	28.7	57.5	40.8
Shahr-e-Kord	0	40.4	24.2	61	7.1	27
Shiraz	0	81.1	12.9	95.9	15.7	3.1
Qazvin	13	107	31	21.4	24	22.2
Qom	3	28.4	17.8	13	2.8	10.2
Karaj.....	3.5	77.4	28.6	15.6	8.7	17.8
Kerman	0	27	2.5	38.7	17.7	2.3
Kermanshah	2.2	217.9	47.5	25.6	55.1	96.2
Gorgan	48.5	84.4	41.2	59.1	75.1	58
Mashhad	13.8	14.9	18.6	12.7	11.7	58.4
Hamedan	1.3	57.2	17.8	14.7	34.2	8.2
Yasuj	0	72.4	69.4	214.9	28.9	46.7
Yazd	0	1.1	0	3.6	0.5	10.4

Source: I. R. I. Meteorological Organization.

1.5. AVERAGE PRECIPITATION HEIGHT RATIO in OSTANS IN THE YEAR 1394 TO THE LONG-TERM AVERAGE



For data see Tables 1.13.



**1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS,
THE YEAR 1394** (hour)

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	272.9	290.6	318.1	279	353.4	297.7
Ardebil	202.2	252.4	297.7	296.8	353.3	236.7
Orumiyeh	247.1	283.5	347.1	385.2	361.7	295.7
Esfahan	279.5	298.7	355.3	356.5	357.3	319.5
Ahvaz.....	238.1	278.7	356.4	328.1	351.4	297.6
Ilam	278.4	315.3	345.7	338.6	343.8	290.4
Bojnurd	236.3	273.5	325.2	363.1	366.4	296.4
Bandar Abbas	268.4	310.3	325	271.6	299.6	292
Bushehr.....	216.3	246.1	314.4	285.1	307.1	277.2
Birjand	258.4	292.7	346.8	352.8	365.1	352.3
Tabriz	221.8	271.2	321.4	329.6	347.5	292.8
Tehran.....	260.7	278.7	310.8	310.2	363.5	310.5
Khorramabad	262.1	290.4	344.7	287.3	345.1	309.7
Rasht	113.3	174	268.3	265.3	298.2	154.9
Zahedan	283.3	301.7	324	319.1	340	323.6
Zanjan	230.2	317	314.2	309.7	372.8	303.6
Sari	135.3	201.1	233.5	217.9	316.6	196
Semnan	290.9	306.3	331.4	332.1	362.2	304.2
Sanandaj	276.1	312	347.3	328.2	346.9	306.8
Shahr-e-Kord	259.7	288.3	339.8	340.6	344.2	293.5
Shiraz	245.9	304.8	343.7	340	346.4	293.8
Qazvin	264.1	299.7	308.7	329.8	370.7	323.3
Qom	266.5	286.1	329	356.4	378.7	329.4
Karaj.....	259.9	274.8	314.1	341.7	374.3	309.6
Kerman	256.6	295	343.5	344.9	360.5	323.3
Kermanshah.....	271.8	287	332.3	311.9	357.2	287.5
Gorgan.....	160.9	226.9	236.4	242.3	318	250.3
Mashhad	250.7	258.8	360.4	369.5	385.8	321.3
Hamedan	267.5	309.6	347.3	293	358.2	311.4
Yasuj	223.7	258.3	345.7	327.5	316	287.8
Yazd	263	285.7	344	347	362.4	329

**1.10. TOTAL MONTHLY HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS,
THE YEAR 1393(continued) (hour)**

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	240.7	145.9	135.1	165.1	225.7	244
Ardebil	166.7	131.8	183.5	196.6	173.3	180
Orumiyeh	225.9	143.4	138.5	137.5	132.5	203.9
Esfahan	289.9	221.6	238.4	209.2	249.8	254.5
Ahvaz.....	261.6	201.9	199.4	183.8	240.5	208.2
Ilam	255.3	179.1	195.8	172.3	202.9	204.4
Bojnurd	274.8	169.1	145.8	167.1	164.6	170.7
Bandar Abbas	281.8	257	246.4	219.9	271.2	226.1
Bushehr.....	277.9	214.6	230.7	208	247.8	237.8
Birjand	288.5	223	234.9	232.2	255.7	232.9
Tabriz	224.3	149.2	143.4	106.2	195	182.4
Tehran.....	247.2	147.7	152.2	178.7	211.3	211.7
Khorramabad	267.1	184.5	150	117.7	172.4	198
Rasht	103.6	82.7	101.4	128.3	115.6	80.2
Zahedan	291.7	254.9	266.7	217.5	281.5	238.3
Zanjan	241	125	136	150	172.3	178.6
Sari	170.1	128.5	142.4	158.8	129.4	104.7
Semnan	248.1	185.7	163.8	208.1	233.7	238.4
Sanandaj	248.3	133.6	137.4	146.8	204.3	183
Shahr-e-Kord	263.9	223.5	234.7	188.6	227.2	254.3
Shiraz	294.4	224.7	253.9	215.5	255.6	241.4
Qazvin	239.6	140.4	158.8	175	200.7	208.3
Qom	235.9	164.9	194.1	200.4	237.7	232.2
Karaj	245.5	157	167.4	180	213.4	213.1
Kerman	297.9	259.9	266.6	235.1	255.5	247.5
Kermanshah.....	235.9	169.3	181.1	162.3	184.5	199.2
Gorgan	222.3	119.1	95.2	163.6	134.5	119.6
Mashhad	255.9	183.8	159.3	186.1	198.7	171
Hamedan	249.9	146.6	145.1	154.1	204.3	226.6
Yasuj	297.6	225.6	243.3	219.4	232.4	253.3
Yazd	302.4	231.6	264	224.5	276.7	259.4

Source: I. R. I. Meteorological Organization.

1.11. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1394**(mps)**

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak	20	21	19	19	17	20
Ardebil	20	21	20	16	13	12
Orumiyeh	14	14	15	8	7	10
Esfahan	22	17	15	15	8	15
Ahvaz	16	12	11	11	5	7
Ilam	16	24	18	12	24	18
Bojnurd	19	10	13	12	13	11
Bandar Abbas	13	10	13	11	11	10
Bushehr	18	17	14	13	12	16
Birjand	16	15	13	15	13	10
Tabriz	17	21	18	16	20	16
Tehran	18	19	19	21	8	22
Khorramabad	17	12	10	17	19	20
Rasht	12	8	10	6	6	6
Zahedan	16	12	13	12	11	10
Zanjan	20	21	18	15	11	14
Sari	8	8	18	12	7	15
Semnan	12	16	11	13	12	12
Sanandaj	15	14	12	8	8	8
Shahr-e-Kord	22	27	25	32	17	19
Shiraz	16	12	15	11	10	12
Qazvin	16	17	26	20	12	18
Qom	22	23	25	19	16	24
Karaj	14	15	16	27	9	18
Kerman	25	13	15	15	15	20
Kermanshah	12	15	10	12	11	15
Gorgan	16	14	16	13	12	10
Mashhad	14	25	12	12	16	10
Hamedan	24	16	22	29	13	15
Yasuj	8	11	10	11	7	14
Yazd	23	24	22	24	17	20

**1. 11. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1394
(continued)** (mps)

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak	24	17	27	23	19	23
Ardebil	19	22	15	27	17	22
Orumiyeh	14	7	10	9	9	12
Esfahan	15	13	16	12	15	22
Ahvaz	7	10	6	7	9	12
Ilam	14	14	20	16	16	17
Bojnurd	14	19	11	18	15	18
Bandar Abbas	9	22	12	11	10	11
Bushehr	12	24	14	20	14	13
Birjand	12	11	10	12	10	10
Tabriz	15	15	14	13	17	15
Tehran	15	14	13	15	16	13
Khorramabad	16	7	8	12	9	12
Rasht	9	15	18	18	9	9
Zahedan	14	14	11	15	14	14
Zanjan	15	12	19	20	14	26
Sari	27	18	19	10	11	13
Semnan	12	13	13	8	10	12
Sanandaj	11	8	12	14	10	14
Shahr-e-Kord	17	18	24	19	16	19
Shiraz	12	15	8	8	8	15
Qazvin	17	12	14	17	14	16
Qom	21	21	18	19	20	21
Karaj	13	12	13	12	10	16
Kerman	19	11	16	17	18	18
Kermanshah	12	10	9	10	11	17
Gorgan	12	16	26	17	16	11
Mashhad	11	18	14	10	12	15
Hamedan	9	12	15	19	16	25
Yasuj	11	7	9	14	9	9
Yazd	16	21	15	16	18	19

Source: I. R. I. Meteorological Organization.

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

Capital of Ostan	1375	1380	1385	1390	1391	1392	1393	1394
Arak	303	260	283	199	289	264	264	285
Ardebil	347	234	237	259	282	268	279	297
Orumiyeh	263	228	372	334	317	241	347	277
Esfahan	67	94	220	150	222	157	96	96
Ahvaz	152	235	184	89	210	238	137	270
Ilam	578	598	555	361	455	664	383	842
Bojnurd	172	176	241	209	205	116	250	227
Bandar Abbas	167	85	277	58	84	272	190	152
Bushehr	217	488	224	124	201	325	99	273
Birjand	102	145	135	95	162	114	111	144
Tabriz	259	210	129	272	245	226	300	287
Tehran	156	192	227	316	215	82	134	209
Khorramabad	428	440	510	286	382	434	370	536
Rasht	1015	1262	1476	1637	1442	1325	1318	1388
Zahedan	73	14	55	47	53	108	68	104
Zanjan	249	232	308	366	392	290	299	283
Sari	0	591	684	919	855	741	641	725
Semnan	128	73	177	176	133	80	110	108
Sanandaj	413	310	449	373	306	319	265	444
Shahr-e-Kord	258	334	413	240	386	324	297	310
Shiraz	202	317	305	274	305	381	225	272
Qazvin	265	232	325	424	315	250	221	314
Qom	78	125	111	123	150	82	74	112
Karaj	290	351	302	351	290	134	191	221
Kerman	123	119	134	108	119	169	123	110
Kermanshah	396	357	430	415	317	409	224	513
Gorgan	477	468	522	724	676	387	364	478
Mashhad	170	153	223	254	282	141	287	183
Hamedan	213	225	283	313	230	310	172	216
Yasuj	474	1126	777	661	826	648	624	611
Yazd	29	60	44	22	77	64	43	38

Source: I. R. I. Meteorological Organization.

1. 13. AVERAGE ANNUAL HEIGHT OF PRECIPITATION IN OSTANS (mm)

Ostan	1380	1385	1389	1390	1391	1392	1393	1394	Long term
Total country...	195.98	147.68	201.69	205.92	226.3	219.6	220.2	221.3	306.9
East Azarbayejan	206.66	204.8	253.36	295.6	308.6	245.8	337.7	326.4	245.5
West Azarbayejan	278.78	289.83	334.72	407.57	408.3	311.9	361.2	391.8	297.7
Ardebil	291.21	195.15	341.6	378.85	368.1	294.6	341	378.3	261.7
Esfahan	136.1	127.9	145.77	144.56	216.3	176.6	175.4	121.8	142.9
Alborz	⁽¹⁾ 000	⁽¹⁾ 000	⁽¹⁾ 000	⁽¹⁾ 000	332.6	191.9	202.2	388.9	261.7
Ilam	432.08	245.55	365.15	262.11	355.7	515.8	357.5	562.2	491
Bushehr	457.87	174.04	182.08	124.28	207.6	362.3	124.3	264.7	194.6
Tehran	⁽¹⁾ 235.47	⁽¹⁾ 185.01	⁽¹⁾ 283.77	⁽¹⁾ 380.99	324.3	177.1	230.7	263.7	217
Chaharmahal & Bakhtiyari..	670.53	432.25	540.78	488.99	687.9	548.8	448.8	500	318.3
South Khorasan	⁽²⁾ 000	36.53	81.29	99.1	110.6	102.2	109.5	85.6	131.4
Khorasan-e-Razavi	⁽²⁾ 114.95	86.85	163.17	198.34	217.6	117.7	236.1	137.1	217.1
North Khorasan	⁽²⁾ 000	185.51	273	300.66	312.4	174.8	245.9	257.3	234.6
Khuzestan.....	360.7	195.36	261.39	179.27	326.7	319.3	187.1	347.2	179.7
Zanjan	237.74	211.37	323.32	383.55	370	287.3	252.7	295.7	302.2
Semnan	110.04	105.22	117.2	156.36	174.3	72.1	134	111.3	127
Sistan & Baluchestan	31.95	48.78	107.18	74.1	72	150.6	78.5	71	78.5
Fars	305.62	205.79	260.11	226.74	235.6	294.1	223.6	246.3	256.7
Qazvin	330.04	266.95	378.05	422.24	335.8	282.7	250.7	282	292.6
Qom	107.95	99.01	115.92	141.74	177	103.2	80.5	117.4	118.8
Kordestan	399.62	309.74	407.02	472.39	410.3	395.5	392.1	473.9	342.1
Kerman.....	93.08	58.79	112.63	79.3	103.4	172.4	145.2	122.8	112.3
Kermanshah	370.12	285.22	391.59	432.58	372.6	455.3	331.8	575.4	375.3
Kohgiluyeh & Boyerahmad	712.05	286.45	488.65	426.15	577.6	496.8	417.2	471.3	701.1
Golestan	382.98	302.73	379.66	567.95	652.2	345	408.5	547.5	479.7
Gilan	1057.41	897.2	916.54	1231.13	907.5	912.6	1104.1	977.2	1247
Lorestan	405.97	336.2	414.99	331.13	418.8	432.7	412.2	601.3	420.6
Mazandaran	774.84	570.26	585.17	909.19	749.4	604.8	700.4	722.4	743.4
Markazi	193.89	190.95	252.87	238.27	294.1	265.2	232.5	257.1	271.7
Hormozgan	105.33	93.91	121.08	73.51	98.6	199.7	87.8	184.2	127.4
Hamedan	271.51	248.53	356.54	350.89	270.2	284.5	272.4	354.9	280.4
Yazd	76.19	46.52	57.89	60.31	102	83.5	87.8	68.7	44.4

1. Statistics for Alborz are included with Tehran.

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

Source: I.R.I. Meteorological Organization.

1.14. AREA AND OVERLAND FLOW COEFFICIENT OF MAIN BASINS

Main basin	Area (1000 km ²)	Coefficient of overland flow, 46-year average (1347-1393)(%)
Total country	1622.6	21.8
Caspian Sea	174.6	22.6
Persian Gulf and Oman Sea	424.5	30.8
Lake Orumiyeh	51.8	29.7
Central Plateau	824.4	9.9
Eastern Border	103.2	13.8
Qareh Qum	44.2	30.8

Source: Ministry of Energy.

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

Aquatic year	Total country	Caspian Sea	Persian Gulf & Oman Sea	Lake Orumiyeh	Central Plateau	Eastern Border	Qareh Qum
Average 46-year (from the years 1347-48 through 1392-93)	400.572	73.656	154.512	17.586	134.395	10.807	9.616
1374-75	511.800	68.410	212.65	16.000	189.200	19.490	6.040
1379-80	299.550	60.756	110.450	12.031	105.931	3.923	6.459
1384-85	351.635	66.164	147.105	17.102	109.583	4.731	6.950
1389-90	328.184	66.913	120.200	15.405	110.723	8.331	6.613
1390-91	337.197	90.121	95.865	15.393	116.623	8.226	10.969
1391-92	393.276	70.789	148.588	17.105	136.064	11.580	9.150
1392-93	357.175	63.969	141.775	14.635	118.303	10.484	8.009
1393-94	328.846	80.725	101.152	19.560	108.311	9.499	9.598

Source: Ministry of Energy.

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

Aquatic year	Total country	Caspian Sea	Persian Gulf & Oman Sea	Lake Orumiyeh	Central Plateau	Eastern Border	Qareh Qum
Average 46-year (from the years 1347-48 through 1392-93)	87.229	16.647	47.601	5.221	13.313	1.487	2.960
1374-75	109.560	19.360	59.890	4.770	22.200	1.898	1.442
1379-80	37.640	6.54	23.560	1.270	4.520	0.462	1.284
1384-85	90.317	11.148	62.297	3.701	11.458	0.322	1.391
1389-90	44.187	7.904	23.290	2.947	8.718	0.293	1.034
1390-91	50.891	14.188	20.040	4.184	10.731	0.333	1.416
1391-92	49.000	8.460	27.160	3.030	7.900	0.812	1.642
1392-93	42.703	6.356	25.805	2.570	6.405	0.346	1.222
1393-94.....	40.879	6.976	22.261	2.118	7.973	0.300	1.252

Source: Ministry of Energy.

