

## **T** *Introduction*

he statistical information appeared in this chapter is presented in three sections: Geographical characteristics and administrative divisions, Climate, and Environment.

### **1. Geographical characteristics and administrative divisions**

Iran comprises a land area of over 1.6 million square kilometers. It lies down the northern temperate zone, between latitudes 25° 00' and 39° 47' north, and longitudes 44° 02' and 63° 20' east. The land's average height is over 1200 meters. 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, 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 cities 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 Ostanon 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 and form Zagros ranges. The highest peak of this range is "Dena" with a 4409m height.

Southern mountain range stretches from Khouzestan province to Sistan & Baluchestan province 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 (Great Faroor), Hendurabi, Khark, Minou, Siri, Khan, Abu Mosa, Espir (Orumiyeh Lake), Tonb Bozorg (Great Tonb), Morghi, Kharku, Arezoo, (Orumiyeh Lake), Faroor Kuchak (Small Faroor) and Tunb Kuchak (Small Tonb).

The Caspian Sea (the world's largest lake) lies on the north of Iran and connects Iran to European countries through Russian water ways. The water of the most Iranian lakes is salty. The major internal lakes are: Orumiyeh, Namak,

Hamoun Jazmourian, Hamoun-e-Saberi, Bakhtegan, Toshak, Hamoun-e-Pouzak, Maharlu, Hamoun-e-Hirmand, 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 variable climate. The effect of distance from the sea, namely closeness and remoteness from 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 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** of the interior and far south characterized by long, warm and dry periods, lasting some years 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 annum.

Measurement of climatic characteristics, which dates back to 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) centers. 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 respectively in 1383.

## 3. Environment

Statistics for types of natural resources, natural monuments protected by Iran Department of Environment have been reflected in the Iranian statistical yearbook since 1368.

### 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, 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):*** the 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 by devices like SSB, telephone or telex communicated to meteorological centers across the globe 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.

***National parks:*** an area of the nation's natural resources such as jungles, pastures, natural coppices,

woodlands, plains, water and mountainous regions which presents distinguished samples of Iran's natural manifestations and is protected in order to provide sustainable preservation of its natural and varied conditions and create a suitable environment for reproduction and breeding of wildlife and growth of plants in a completely natural condition.

**Wildlife habitats:** an area of the nation's natural resources such as jungles, pastures, natural coppices, woodlands, plains, water and mountainous regions which has typical natural habitats and special ecological conditions for wildlife and is protected in order to preserve or rehabilitate these protected habitats.

**Nature reserves:** protected areas of the country's nature, including jungles, pastures, plains, or mountainous regions which are habitat for important or rare species of wildlife and/or plantation.

**National natural heritages:** specific and rare species of plants or animal and unique picturesque settings or views, specific natural forms of the earth as well as very old trees which are protected in an appropriate area.

#### *Selected information*

The total length of the I.R. Iran's borderlines is 8865 kilometers out of which the longest borderline is for that of Iran-Iraq and the shortest one goes to Iran-Armenia which equals 1609 and 48 kilometers respectively.

In the year 1390, Sistan & Baluchestan, Kerman, Yazd, Fars, Khorasan-e- Razavi and Esfahan were among the largest provinces in the country respectively, and each of them has an area of more than 100000 Km<sup>2</sup>. Tehran province with an area of 19000 Km<sup>2</sup> ranks 24th out of the nation's largest provinces.

In the year 1390, I.R.Iran was divided into 31 Ostans (provinces), 400 Shahrestans (sub-provinces), 994 Bakhshes (counties), 1166 Shahr (cities) and 2507

Dehestans (rural agglomerations).

Moreover, average maximum and minimum temperatures in Ostans' centers belong to Ahvaz, with 32.9<sup>o</sup> C and Ardebil with 7.0<sup>o</sup> C respectively. Furthermore, the absolute maximum belongs to Ahvaz with 54.0<sup>o</sup> C and the absolute minimum goes to Ardebil with -32.0<sup>o</sup> C. Also in the said year, the highest annual precipitation of the country belongs to Rasht and Sari which amounted to 1354 and 743 mm respectively and Yazd and Zahedan with 62.0 and 91.0 mm respectively had the lowest annual precipitation amongst all Ostans' centers. In the year 1390, the maximum frosty days belong to Shahr-e-Kord with 146 days and Ardebil with 128 days. Bandar Abbas, Bushehr and Ahvaz have not experienced any frosty day.

The volume of precipitation in national main basins during the aquatic year of 1389-90 was approximately 328.184 bln m<sup>3</sup> out of which the share of each basin is as follows: the Caspian Sea 66.913 bln m<sup>3</sup>, the Persian Gulf and Oman Sea 120.200 bln m<sup>3</sup>, the Lake Orumiyeh 15.405 bln m<sup>3</sup>, Central Plateau 110.723 bln m<sup>3</sup>, Eastern Border 8.331bln m<sup>3</sup> & Qareh Qum 6.613 bln m<sup>3</sup>.

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 10.76%, the Persian Gulf and Oman Sea 26.16%, Lake Orumiyeh 3.19%, Central Plateau 50.80%, Eastern Border 6.36 % & Qareh Qum 2.72%.

**1. 1. LENGTH OF IRANIAN BORDERLINES (km)**

Total	Iran-Iraq borderline	Iran- Turkey borderline	Iran- Turkmenistan borderline	Iran- Azerbaijan borderline
8865	1609	511	1205	759
<hr/>				
Iran- Armenia border	Northern coastline	Iran- Afghanistan borderline	Iran- Pakistan borderline	Southern coastline
48	765	945	978	2045

Source: Armed Forces Geographical Organization

**1. 2. LONGITUDE AND LATITUDE OF OSTANS, THE YEAR 1390**

Ostan	Longitude				Latitude			
	Lower limit		Upper limit		Lower limit		Upper limit	
	Minute	Degree	Minute	Degree	Minute	Degree	Minute	Degree
<b>Total country</b> .....	<b>02</b>	<b>44</b>	<b>20</b>	<b>63</b>	<b>00</b>	<b>25</b>	<b>47</b>	<b>39</b>
East Azarbayejan .....	05	45	21	48	45	36	25	39
West Azarbayejan .....	02	44	23	47	58	35	47	39
Ardebil .....	17	47	55	48	06	37	42	39
Esfahan .....	40	49	30	55	42	30	30	34
Ilam .....	40	45	03	48	03	32	02	34
Bushehr .....	06	50	56	52	16	27	18	30
Tehran .....	10	50	10	53	52	34	21	36
Chaharmahal & Bakhtiyari	30	49	26	51	09	31	49	32
South Khorasan .....	01	57	56	60	32	30	37	34
Khorasan-e-Razavi .....	45	56	17	67	51	34	45	37
North Khorasan .....	53	55	20	58	37	36	17	38
Khuzestan .....	40	47	33	50	57	29	00	33
Zanjan .....	10	47	26	49	33	35	15	37
Semnan .....	50	51	03	57	15	34	20	37
Sistan & Baluchestan .....	55	58	20	63	04	25	29	31
Fars .....	36	50	35	55	03	27	40	31
Qazvin .....	44	48	51	50	24	35	49	36
Qom .....	06	50	58	51	09	34	11	35
Kordestan .....	33	45	15	48	44	34	28	36
Kerman .....	21	54	34	59	29	26	58	31
Kermanshah .....	24	45	06	48	41	33	17	35
Kohgiluyeh & Boyerahmad	53	49	53	51	56	29	29	31
Golestan .....	51	53	19	56	30	36	8	38
Gilan .....	34	48	36	50	34	36	27	38
Lorestan .....	50	46	01	50	40	32	23	34
Mazandaran .....	21	50	08	54	46	35	58	36
Markazi .....	57	48	04	51	23	33	35	35
Hormozgan .....	44	52	14	59	24	25	53	28
Hamedan .....	48	47	28	49	00	34	44	35
Yazd .....	48	52	21	58	36	29	06	35

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
1386.....	336	889	1016	2400
1387.....	363	919	1061	2430
1388.....	380	945	1105	2459
1389.....	397	982	1144	2496
<b>1390.....</b>	<b>400</b>	<b>994</b>	<b>1166</b>	<b>2507</b>

Sources: Statistical Centre of Iran;  
- Ministry of the Interior.

#### 1. 4. GENERAL CHARACTERISTICS OF OSTANS ACCORDING TO THE ADMINISTRATIVE DIVISIONS AT THE END OF THE YEAR 1390

Ostan	Capital of Ostan	Area <sup>(1)</sup> (sq km)	Number of Shahrestans	Number of Bakhshes	Number of cities	Number of Dehestans
<b>Total country ..</b>	××	<b>1628750</b>	<b>400</b>	<b>994</b>	<b>1166</b>	<b>2507</b>
East Azarbayejan .....	Tabriz	45650	20	44	59	142
West Azarbayejan .....	Orumiyeh	37411	17	40	42	113
Ardebil .....	Ardebil	17800	10	29	26	71
Esfahan .....	Esfahan	107029	23	47	103	126
Alborz.....	Karaj	5124	4	10	16	22
Ilam .....	Ilam	20133	8	20	22	40
Bushehr .....	Bushehr	22743	9	23	32	44
Tehran .....	Tehran	13690	14	29	41	64
Chaharmahal & Bakhtiari...	Shahr-e-Kord	16332	7	22	31	45
South Khorasan .....	Birjand	95385	8	20	25	51
Khorasan-e-Razavi .....	Mashhad	118854	27	69	72	163
North Khorasan .....	Bojnurd	28434	7	17	18	42
Khuzestan .....	Ahvaz	64055	24	55	63	130
Zanjan .....	Zanjan	21773	7	16	19	46
Semnan .....	Semnan	97491	7	15	19	31
Sistan & Baluchestan .....	Zahedan	181758	14	41	37	103
Fars .....	Shiraz	122608	29	83	94	204
Qazvin .....	Qazvin	15567	6	19	25	46
Qom .....	Qom	11526	1	5	6	9
Kordestan .....	Sanandaj	29137	10	29	27	85
Kerman .....	Kerman	180726	23	58	65	151
Kermanshah .....	Kermanshah	24998	14	31	31	86
Kohgiluyeh & Boyerahmad .	Yasuj	15504	7	17	16	43
Golestan .....	Gorgan	20367	14	27	26	60
Gilan .....	Rasht	14042	16	43	51	109
Lorestan .....	Khorramabad	28294	10	27	25	84
Mazandaran .....	Sari	23842	19	50	56	122
Markazi .....	Arak	29127	12	23	32	66
Hormozgan .....	BandarAbbas	70697	13	38	34	85
Hamedan .....	Hamedan	19368	9	25	29	73
Yazd .....	Yazd	129285	11	22	24	51

1. Only land area

Source: Ministry of the Interior.





### 1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1390

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
<b>Total country</b> .....	<b>994</b>	<b>1166</b>	<b>2507</b>
<b>East Azarbajejan</b> .....	<b>44</b>	<b>59</b>	<b>142</b>
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	1	4
Kaleibar .....	2	2	7
Maragheh .....	2	2	6
Marand .....	2	5	9
Malekan .....	2	2	5
Miyaneh .....	4	4	17
Haris .....	2	5	6
Hashtrud .....	2	2	7
Varzaqan .....	2	2	7
<b>West Azarbajejan</b> .....	<b>40</b>	<b>42</b>	<b>113</b>
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 Eh .....	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 1390 (continued)**

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
<b>Ardebil</b> .....	<b>29</b>	<b>26</b>	<b>71</b>
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
<b>Esfahan</b> .....	<b>47</b>	<b>103</b>	<b>126</b>
Aran & Bidgol .....	2	4	3
Ardestan .....	2	3	7
Esfahan .....	6	14	19
Borkhar .....	2	7	4
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
Faridan .....	2	4	9
Fereydunshahr .....	1	2	5
Falavarjan .....	2	7	6
Kashan .....	4	6	9
Golpayegan .....	1	3	3
Lenjan .....	2	8	5
Mobarakeh .....	2	5	5
Naeen .....	2	3	5
Najafabad .....	2	6	5
Natanz.....	2	4	5
<b>Alborz</b> .....	<b>10</b>	<b>16</b>	<b>22</b>
Savojbalagh.....	3	5	6
Taleghan.....	2	1	4
Karaj.....	3	8	7
Nazarabad.....	2	2	5
<b>Ilam</b> .....	<b>20</b>	<b>22</b>	<b>40</b>

**1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1390 (continued)**

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Bakhshes
Abdanan .....	3	3	6
Ilam .....	2	2	4
Ivan .....	2	2	4
Darrehshahr .....	3	2	6
Dehloran .....	3	4	6
Shirvan & Chardavel .....	3	4	8
Malekshahi.....	2	3	4
Mehran .....	2	2	2
<b>Bushehr .....</b>	<b>23</b>	<b>32</b>	<b>44</b>
Bushehr .....	2	3	2
Tangestan .....	2	2	4
Jam .....	2	3	5
Dashtestan .....	6	8	12
Dashti .....	3	3	7
Dayyer .....	2	4	4
Deylam .....	2	2	4
Kangan .....	2	5	4
Genaveh .....	2	2	2
<b>Tehran .....</b>	<b>29</b>	<b>41</b>	<b>64</b>
Eslamshahr .....	2	2	4
Baharestan.....	2	3	4
Pakdasht.....	2	3	6
Pishva.....	2	1	4
Tehran.....	3	3	4
Damavand .....	2	5	5
Robotkarim .....	1	2	3
Rey .....	4	4	8
Shemiranat .....	2	3	3
Shahriar .....	1	7	6
Firuzkuh.....	2	2	5
Qods.....	1	1	2
Malard .....	2	2	4
Varamin .....	3	3	6
<b>Chaharmahal &amp; Bakhtiari ...</b>	<b>22</b>	<b>31</b>	<b>45</b>
Ardal .....	2	1	4
Borujen .....	3	6	5
Shahr-e-Kord .....	4	11	8
Farsan .....	3	4	5
Kuhrang .....	3	1	7
Keyar.....	2	4	5
Lordegan ..	5	4	11
<b>South Khorasan .....</b>	<b>20</b>	<b>25</b>	<b>51</b>
Boshroye .....	2	2	4

**1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1390 (continued)**

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Birjand.....	2	3	10
Darmitan .....	3	4	6
Sarayan .....	2	3	4
Sarbisheh .....	3	2	6
Ferdows .....	1	2	3
Qayenat .....	5	7	13
Nahbandan .....	2	2	5
<b><i>Khorasan-e-Razavi</i></b> .....	<b>69</b>	<b>72</b>	<b>163</b>
Bakharz.....	2	1	4
Bajestan.....	2	2	4
Bardaskan .....	3	3	6
Binalood.....	2	2	4
Taybad .....	2	3	4
Takht-e jolgeh.....	2	2	4
Torbat-e-Jam .....	5	5	13
Torbat-e-Heydariyeh .....	4	4	8
Joghatay.....	2	1	4
Jovin.....	2	1	4
Chenaran .....	2	2	5
Khalil Abad .....	2	2	4
Khaf .....	4	5	8
Khooshab.....	2	1	5
Dargaz .....	4	4	7
Rashtkhar .....	2	2	4
Zaveh.....	2	1	4
Sabzevar .....	4	4	14
Serakhs .....	2	2	6
Fariman .....	2	4	5
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
<b><i>North Khorasan</i></b> .....	<b>17</b>	<b>18</b>	<b>42</b>
Esfarayen .....	2	2	7
Bojnurd .....	3	3	8
Jajarm .....	3	3	5
Shirvan .....	3	2	9
Faruj .....	2	2	5

**1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1390 (continued)**

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Garmeh.....	1	3	2
Maneh and Samalqan .....	3	3	6
<b>Khuzestan .....</b>	<b>55</b>	<b>63</b>	<b>130</b>
Abadan .....	2	3	6
Omidiyeh .....	2	2	4
Andimeshk .....	2	2	4
Endika .....	3	1	6
Ahvaz .....	2	2	10
Izeh .....	3	2	10
Baghmalek .....	3	4	8
Bavi.....	2	3	4
Bandar-e-Mahshahr .....	2	3	1
Behbahan .....	4	3	6
Khorramshahr .....	2	3	4
Dezful .....	4	8	11
Dasht-e-Azadegan .....	2	2	5
Ramshir .....	2	2	4
Ramhormoz .....	1	1	4
Shadegan .....	2	2	7
Shush .....	3	5	7
Shushtar .....	2	3	6
Gotvand .....	2	5	4
Lali .....	2	1	4
Masjed Soleyman .....	2	1	4
haftgol.....	2	1	3
Hendijan .....	2	2	4
Hovayzeh.....	2	2	4
<b>Zanjan .....</b>	<b>16</b>	<b>19</b>	<b>46</b>
Abhar .....	2	4	8
Ijerud .....	2	2	4
Khodabandeh .....	4	5	10
Khorramdarreh .....	1	1	2
Zanjan .....	3	3	12
Tarom .....	2	2	5
Mahneshan .....	2	2	5
<b>Semnan .....</b>	<b>15</b>	<b>19</b>	<b>31</b>
Aradan.....	2	2	4
Damghan .....	2	4	6
Semnan .....	2	2	3
Shahrud .....	3	5	7
Garmsar .....	2	2	3
Mehdishahr.....	2	3	3
Mayamee .....	2	1	5
<b>Sistan &amp; Baluchestan .....</b>	<b>41</b>	<b>37</b>	<b>103</b>
Iranshahr .....	3	4	7
Chabahar .....	3	2	7
Khash .....	3	2	11
Delgan .....	2	1	5
Zabol .....	3	5	9

**1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1390 (continued)**

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Zahedan .....	4	3	8
Zahak .....	2	1	4
Saravan .....	3	5	8
Sarbaz .....	4	3	11
Sibsavaran.....	2	2	4
Konarak .....	2	2	4
Mehrestan <sup>(1)</sup> .....	2	1	4
Meyankangee <sup>(1)</sup> .....	6	5	16
Neekshahr.....	2	1	5
<b>Fars</b> .....	<b>83</b>	<b>94</b>	<b>204</b>
Abadeh .....	1	5	4
Arsanjan .....	1	1	3
Estahban .....	2	3	3
Eqlid .....	3	4	9
Bavanat .....	3	3	7
Pasargad .....	2	1	4
Jahrom .....	4	5	12
Kharameh.....	2	1	5
Khorrambid .....	2	2	3
Khonj .....	2	1	4
Darab .....	4	4	12
Rostam.....	2	1	4
Zarrindasht .....	2	3	5
Sepidan .....	3	3	8
Sarvestan.....	2	2	4
Shiraz .....	3	6	12
Farashband .....	2	3	4
Fasa .....	4	5	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 .....	3	4	7
Marvdasht .....	5	4	15
Mamasani .....	3	2	9
Mohr .....	4	4	8
Neyriz .....	4	4	9
<b>Qazvin</b> .....	<b>19</b>	<b>25</b>	<b>46</b>
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 1390 (continued)**

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Takestan .....	4	5	9
Qazvin .....	5	7	14
<i>Qom</i> .....	<b>5</b>	<b>6</b>	<b>9</b>
Qom .....	5	6	9
<i>Kordestan</i> .....	<b>29</b>	<b>27</b>	<b>85</b>
Baneh .....	4	4	8
Bijar .....	3	3	11
Dehgalan.....	2	2	5
Divandarreh .....	3	2	8
Sarvabad .....	2	2	8
Saqqez .....	3	2	11
Sanandaj .....	4	2	12
Qorveh .....	3	4	9
Kamyaran .....	2	2	7
Marivan .....	3	4	6
<i>Kerman</i> .....	<b>58</b>	<b>65</b>	<b>151</b>
Arzooeyeh.....	2	1	5
Anar.....	1	2	2
Baft .....	2	2	6
Bardsir .....	4	4	8
Bam .....	2	2	4
Jiroft .....	4	4	14
Rabar.....	2	1	4
Ravar .....	2	2	3
Rafsanjan .....	4	5	14
Rudbar-e-Jonub .....	2	1	4
Reegan.....	2	1	4
Zarand .....	2	4	11
Sirjan .....	5	5	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
Kahnuj .....	2	1	5
Kohbonan .....	2	2	3
Manujan .....	2	2	5
Narmashir .....	2	2	4
<i>Kermanshah</i> .....	<b>31</b>	<b>31</b>	<b>86</b>
Eslamabad-E-Gharb .....	2	2	7
Paveh .....	3	5	5
Salas-e-Babajani .....	2	2	6
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 1390 (continued)**

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Sar-e-pol-e-Zahab .....	2	1	6
Sonqor .....	2	2	8
Sahneh .....	2	2	7
Qasr-e-Shirin .....	2	2	4
Kermanshah .....	5	4	13
Kangavar .....	1	1	5
Gilan-e-Gharb .....	2	2	6
Harsin .....	2	2	4
<b>Kohgiluyeh &amp; Boyerahmad .....</b>	<b>17</b>	<b>16</b>	<b>43</b>
Basht.....	2	1	4
Bahmaee .....	2	1	4
Boyerahmad .....	4	5	11
Cheram.....	2	1	4
Dena .....	2	2	4
Kohgiluyeh .....	4	5	12
Gachsaran .....	1	1	4
<b>Golestan .....</b>	<b>27</b>	<b>26</b>	<b>60</b>
Azadshahr .....	2	3	4
Aq Qala .....	2	2	5
Bandar Gaz .....	2	2	4
Torkaman .....	2	1	4
Ramyān .....	2	4	4
Aliabad .....	2	2	4
Kordkuy .....	1	1	3
Kalaleh .....	2	1	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
<b>Gilan .....</b>	<b>43</b>	<b>51</b>	<b>109</b>
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 1390 (continued)**

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Fuman .....	2	2	6
Lahijan .....	2	2	7
Langrud .....	3	5	7
Masal .....	2	2	4
<b>Lorestan .....</b>	<b>27</b>	<b>25</b>	<b>84</b>
Azna .....	2	2	4
Aligudarz .....	3	2	11
Borujerd .....	2	2	7
Poldokhtar .....	2	2	7
Khorramabad .....	4	4	17
Delfan .....	2	2	10
Doreh.....	3	2	6
Dorud .....	2	2	5
Selseleh .....	2	2	6
Kuhdasht .....	5	5	11
<b>Mazandaran .....</b>	<b>50</b>	<b>56</b>	<b>122</b>
Amol .....	4	4	9
Babol .....	6	7	13
Babolsar .....	3	3	6
Behshahr .....	2	3	5
Tonkabon .....	3	4	7
Juybar .....	2	2	4
Chalus .....	3	4	6
Ramsar .....	1	2	4
Sari .....	5	4	13
Savadkuh .....	2	4	6
Abbasabad.....	2	3	4
Ferydonkenar.....	2	1	4
Qaemshahr .....	2	3	7
Galugah .....	2	1	4
Mahmoudabad .....	2	2	5
Miandorood.....	2	1	5
Neka .....	2	1	5
Nur .....	3	5	9
Noshahr .....	2	2	6
<b>Markazi .....</b>	<b>23</b>	<b>32</b>	<b>66</b>
Ashtian .....	1	1	3
Arak .....	3	6	11
Tafresh .....	1	1	4
Khomein .....	2	2	7
Khondab .....	2	2	5
Delijan .....	1	2	4

**1. 5. BAKHSHES, CITIES AND DEHESTANS BY OSTAN AND SHAHRESTAN AT THE END OF THE YEAR 1390 (continued)**

Ostan and Shahrestan	Number of Bakhshes	Number of cities	Number of Dehestans
Zarandiyeh.....	2	5	6
Saveh .....	2	3	7
Shazand .....	4	5	9
Farahan.....	2	1	4
Komeijan .....	2	2	4
Mahallat .....	1	2	2
<b>Hormozgan .....</b>	<b>38</b>	<b>34</b>	<b>85</b>
Abumusa .....	2	1	2
Bastak .....	3	2	7
Bashagerd.....	3	2	6
Bandar Abbas .....	4	4	11
Bandar Lengeh .....	4	4	8
parsiyan .....	2	3	4
Jask .....	2	1	5
Hajiabad .....	3	3	6
Khamir .....	2	2	4
Rudan .....	4	3	10
Sireek.....	2	2	4
Qeshm .....	3	4	7
Minab .....	4	3	11
<b>Hamedan .....</b>	<b>25</b>	<b>29</b>	<b>73</b>
Asadabad .....	2	2	6
Bahar .....	3	4	6
Tuyserkan .....	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
<b>Yazd .....</b>	<b>22</b>	<b>24</b>	<b>51</b>
Abarkuh .....	2	2	4
Ardakan .....	3	3	5
Bafgh .....	1	1	3
Behabad.....	2	1	3
Taft .....	3	2	10
Khatam .....	2	2	4
Sadugh .....	2	3	3
Tabas .....	3	3	8
Mehriz .....	1	1	5
Meybod .....	1	2	2
Yazd .....	2	4	4

*1. Zaboli Shahrastan was renamed " Mehrestan" and Hirmand as " Meyankangee".*

*Source: Ministry of the Interior.*

**1. 6. METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS FROM THE YEAR OF ESTABLISHMENT TO THE MONTH OF DEY IN THE YEAR 1382**

Capital of Ostan	Station characteristics		Air temperature (°c)				Mean
	Year of establishment	Altitude (m)	Average max	Average min	Absolute max	Absolute min	
Arak .....	1334	1708	27.0	6.9	44	-30.5	13.8
Ardebil .....	1355	1314	15.2	2.7	39.8	-33.8	9.0
Orumiyeh .....	1330	1313	17.6	5.5	38	-22.8	11.5
Esfahan .....	1330	1600	23.4	9.0	43	-19.4	16.2
Ahvaz .....	1330	23	32.9	17.6	54	-7.0	25.3
Ilam .....	1365	1363	22.2	11.6	40.6	-12.6	16.9
Bojnurd .....	1356	1091	19.7	6.8	42.3	-25.0	13.3
Bandar Abbas .....	1336	10	32.1	21.8	51.0	2.0	27.0
Bushehr .....	1330	20	29.7	19.5	50.0	-1.0	24.6
Birjand .....	1334	1491	24.5	8.4	44.0	-21.5	16.5
Tabriz .....	1330	1361	18.0	6.8	42.0	-25.0	12.4
Tehran .....	1330	1190	22.6	11.8	43.0	-15.0	17.2
Khorramabad .....	1330	1125	25.2	9.1	47.0	-14.6	17.2
Rasht .....	1335	-7	20.5	11.2	40.0	-19.0	15.9
Zahedan .....	1330	1370	26.7	10.1	43.0	-22.0	18.4
Zanjan .....	1334	1663	18.0	4.0	43.0	-30.0	11.0
Sari .....	1379	23	22.1	13.5	39.8	-3.8	17.7
Semnan .....	1340	1171	23.7	12.4	44.0	-11.0	18.1
Sanandaj .....	1338	1373	21.4	5.4	44.0	-31.0	13.4
Shahr-e-Kord .....	1334	1991	20.2	3.5	42.0	-32.0	11.8
Shiraz .....	1330	1488	25.6	9.8	43.2	-14.0	17.7
Qazvin .....	1338	1278	21.2	6.8	43.0	-24.0	14.0
Qom .....	1365	877	25.8	10.0	46.0	-12.6	17.9
Kerman .....	1330	1754	24.7	6.9	42.0	-30.0	15.8
Kermanshah .....	1330	1322	22.6	5.8	44.1	-27.0	14.2
Gorgan .....	1331	13	22.7	12.7	45.0	-10.0	17.7
Mashhad .....	1330	990	21.1	7.0	43.8	-28.0	14.1
Hamedan .....	1355	1749	19.1	3.3	40.0	-32.8	11.2
Yasuj .....	1366	1880	22.3	8.1	40.4	-19.8	15.2
Yazd .....	1331	1230	26.5	11.7	45.6	-16.0	19.1

**1. 6. METEOROLOGICAL DATA FROM SYNOPTIC STATIONS IN CAPITALS OF OSTANS FROM THE YEAR OF ESTABLISHMENT TO THE MONTH OF DEY IN THE YEAR 1382 (continued)**

Capital of Ostan	Average annual precipitation (mm)	Max. daily precipitation (mm)	Mean of relative humidity (%)		Average number of frosty days
			6:30	12:30	
Arak .....	342	80	60	38	91
Ardebil .....	303	63	85	58	131
Orumiyeh .....	345	79	74	49	110
Esfahan .....	121	48	55	30	74
Ahvaz .....	213	107	62	34	1
Ilam .....	624	103	47	31	34
Bojnurd .....	269	54	76	46	93
Bandar Abbas .....	186	211	80	53	0
Bushehr .....	277	150	77	51	//
Birjand .....	171	52	49	25	76
Tabriz .....	290	63	67	44	102
Tehran .....	231	50	51	33	48
Khorramabad .....	510	71	63	35	48
Rasht .....	1354	170	94	72	26
Zahedan .....	91	62	46	22	54
Zanjan .....	314	51	71	43	121
Sari .....	743	60	86	62	6
Semnan .....	139	41	51	34	46
Sanandaj .....	462	73	69	37	106
Shahr-e-Kord .....	318	76	64	35	124
Shiraz .....	341	128	57	29	46
Qazvin .....	317	47	69	38	90
Qom .....	150	40	58	29	65
Kerman .....	154	60	49	24	89
Kermanshah .....	447	108	64	37	94
Gorgan .....	600	105	79	58	14
Mashhad .....	255	52	69	42	91
Hamedan .....	317	56	74	43	125
Yasuj .....	841	120	61	32	63
Yazd .....	62	48	44	24	52

Source: I. R. I. Meteorological Organization.

**1. 7. CLIMATIC CONDITIONS OF CAPITALS OF OSTANS, THE YEAR 1390**

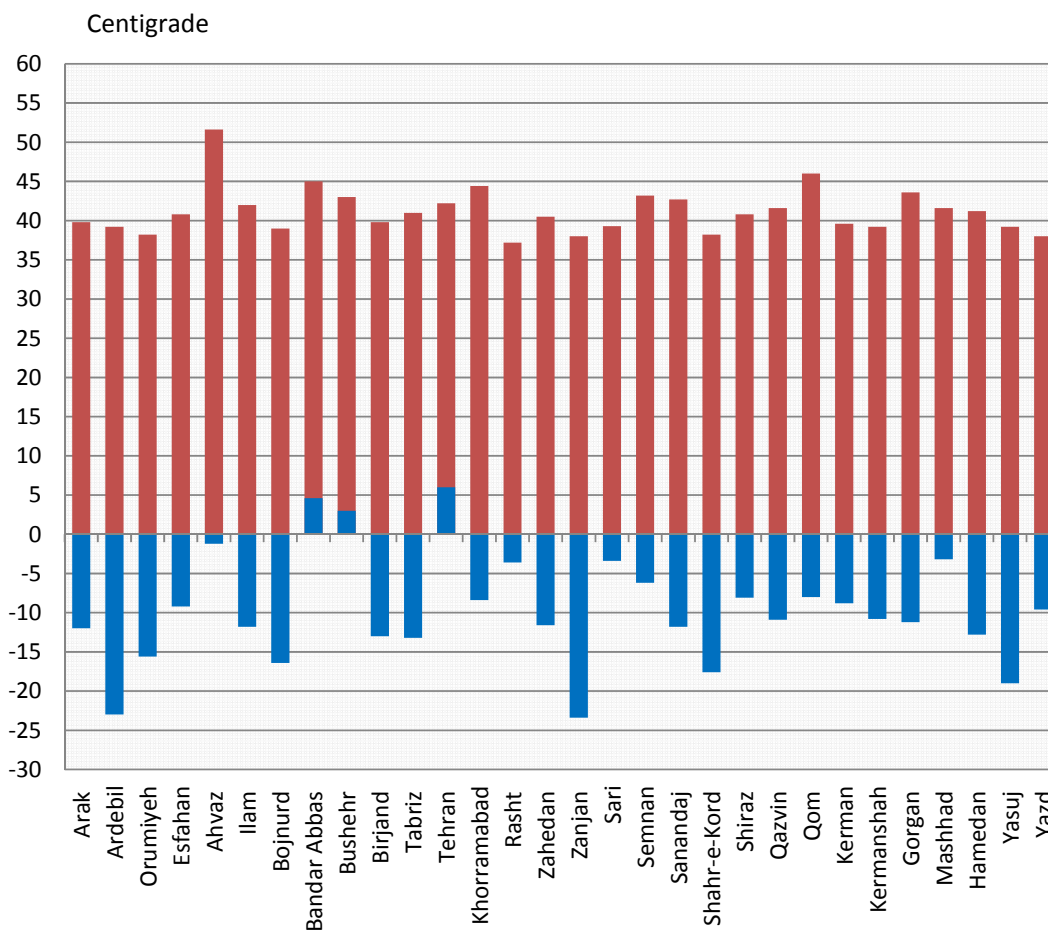
Capital of Ostan	Air temperature (°c)					Annual precipitation (mm)
	Average max	Average min	Absolute min	Absolute max	Mean	
Arak .....	21.1	7	-12	39.8	14.1	199.2
Ardebil .....	15.4	3.2	-23	39.2	9.3	258.8
Orumiyeh .....	16.4	3.8	-15.6	38.2	10.5	333.7
Esfahan .....	23.9	9.7	-9.2	40.8	16.8	149.7
Ahvaz .....	33.2	19	-1.2	51.6	26	89.3
Ilam .....	22.7	9	-11.8	42	15.8	361.4
Bojnurd .....	19	6.5	-16.4	39	12.8	208.6
Bandar Abbas .....	32.4	21.9	4.6	45	27.1	57.82
Bushehr .....	28.7	21.6	3	43	25.2	123.7
Birjand .....	24.5	8.1	-13	39.8	16.3	95.1
Tabriz .....	19.3	7.6	-13.2	41	12.3	272.3
Tehran .....	21.3	13.7	-6	42.2	17.4	316.32
Khorramabad .....	24.8	8.6	-8.4	44.4	16.2	286.2
Rasht .....	18.8	12.3	-3.6	37.2	15.6	1636.9
Zahedan .....	27.4	11.1	-11.6	40.5	19.2	46.71
Zanjan .....	17.7	4.3	-23.4	38	10.9	365.8
Sari .....	21.7	12.5	-3.4	39.3	17.1	919.2
Semnan .....	23.5	12.8	-6.2	43.2	18.2	176.4
Sanandaj .....	21	6.2	-11.8	42.7	13.6	372.7
Shahr-e-Kord .....	19.9	1.8	-17.6	38.2	11.1	240.2
Shiraz .....	26.3	9.7	-8.1	40.8	18.3	273.6
Qazvin .....	20.8	6.5	-10.9	41.6	13.7	423.6
Qom .....	25.9	10.5	-8	46	18.2	123.4
Karaj.....	20.4	9.3	-8.8	39.6	14.8	351.1
Kerman .....	25.6	7.8	-10.8	39.2	16.7	108.3
Kermanshah .....	23.3	6.5	-11.2	43.6	15.1	415.1
Gorgan .....	22.3	11.6	-3.2	41.6	16.9	723.5
Mashhad .....	21.9	8.8	-12.8	41.2	15.4	254.4
Hamedan .....	19.7	3.5	-19	39.2	12.1	312.5
Yasuj .....	22.9	7	-9.6	38	14.9	660.6
Yazd .....	27.3	13.4	-6	44.5	20.3	21.52

**1. 7. CLIMATIC CONDITIONS OF CAPITALS OF OSTANS, THE YEAR 1390 (continued)**

Capital of Ostan	Max. daily precipitation (mm)	Mean of relative humidity (%)		Number of frosty days	Bright sunshine (hours)	Max. speed of wind (mps)
		6:30	12:30			
Arak .....	28.2	60	27	102	3061.8	16
Ardebil .....	21.7	90	50	126	2543.3	22
Orumiyeh .....	30.6	84	38	131	2682.3	15
Esfahan .....	38.8	51	18	84	3386.3	20
Ahvaz .....	17.9	58	22	1	3188.3	21
Ilam .....	41.2	55	23	74	3165.3	25
Bojnurd .....	11.5	83	43	109	2775.6	23
Bandar Abbas .....	31.7	78	40	0	2985.7	18
Bushehr .....	20.9	78	46	0	3134.4	20
Birjand .....	14.7	47	15	80	3503.7	16
Tabriz .....	21.1	71	33	92	2826.6	19
Tehran .....	49.2	52	25	39	2938.1	32
Khorramabad .....	26	62	21	86	3133.9	15
Rasht .....	88.2	97	65	29	1665.7	19
Zahedan .....	9.9	38	12	65	3370	32
Zanjan .....	37.2	79	34	133	2865.4	16
Sari .....	52.6	94	62	19	1778.8	23
Semnan .....	44.5	57	26	78	3058.5	25
Sanandaj .....	34.6	72	25	109	3105.6	14
Shahr-e-Kord .....	30.8	63	21	132	3303.9	24
Shiraz .....	41.5	59	17	80	3361.7	15
Qazvin .....	31.6	79	33	111	3022.5	30
Qom .....	13.8	66	29	58	3119.1	26
Karaj.....	33.9	70	31	51	2949	25
Kerman .....	14.5	50	16	90	3448	30
Kermanshah .....	46.6	63	22	90	2887.1	13
Gorgan .....	67.4	95	57	37	2174.6	23
Mashhad .....	17	65	29	94	2935.8	17
Hamedan .....	31.2	69	25	123	3236.6	25
Yasuj .....	78.8	62	19	126	3335.1	16
Yazd .....	9	38	15	43	3428.5	27

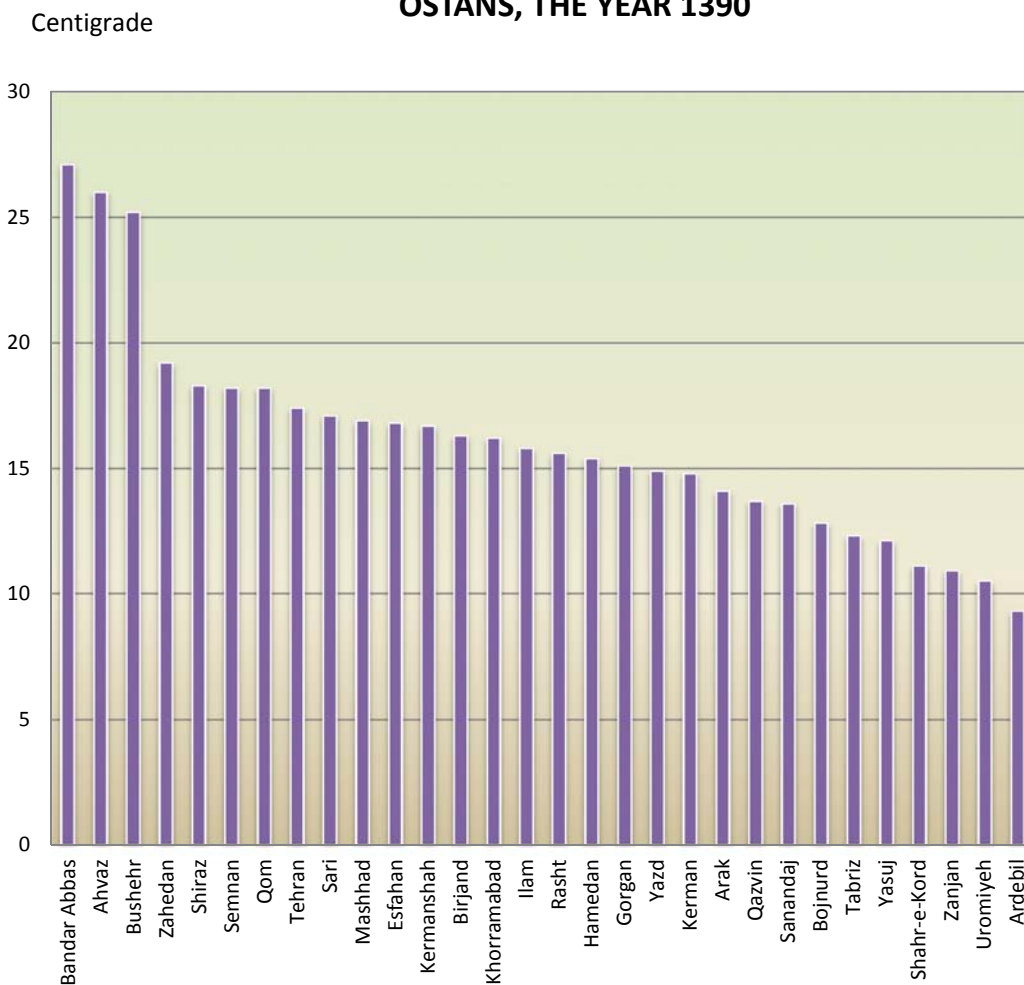
Source: I. R. I. Meteorological Organization.

**1. 1. ABSOLUTE MAXIMUM AND MINIMUM TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1390**



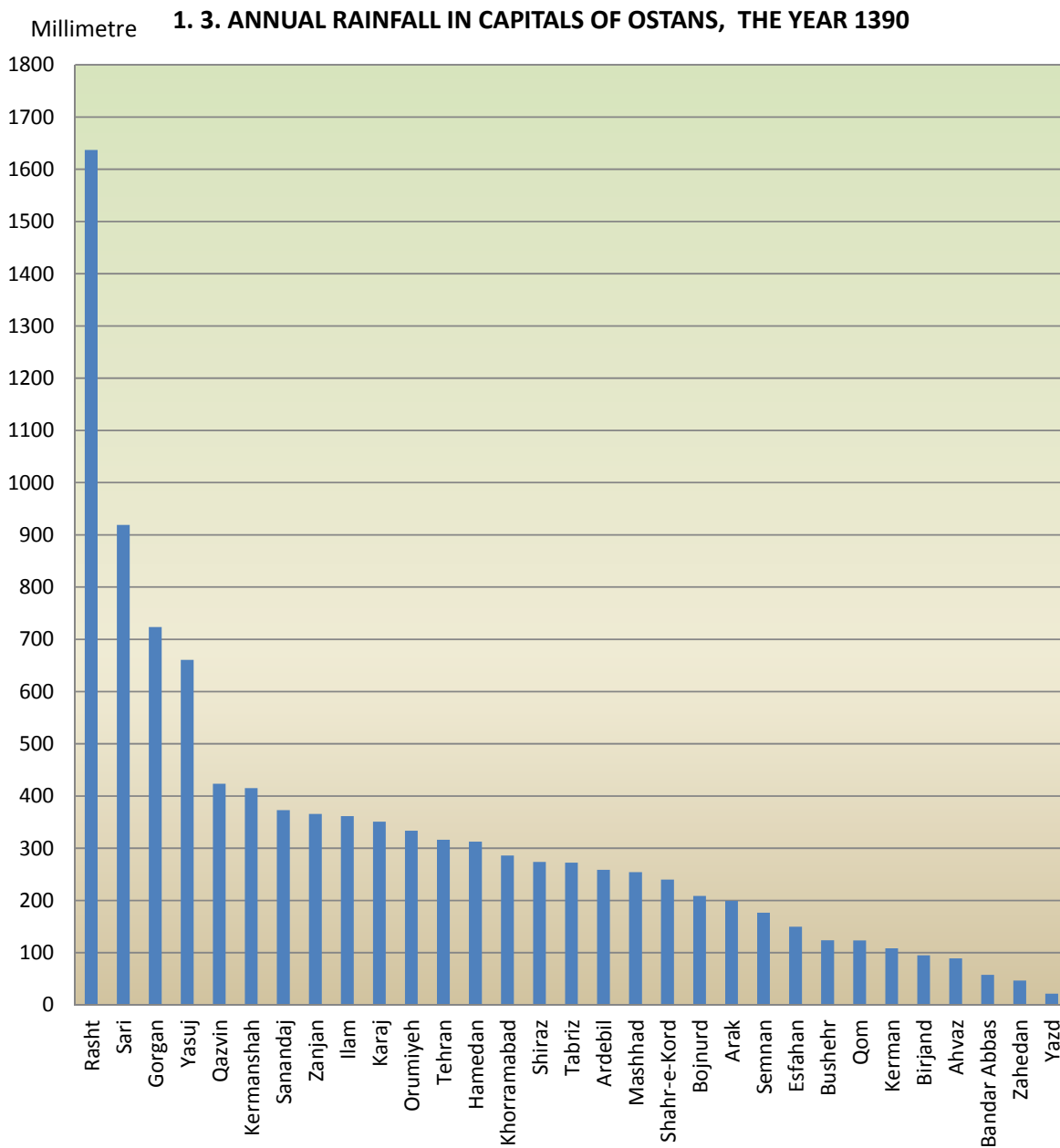
For data see Table 1.7.

**1. 2. AVERAGE ANNUAL TEMPERATURES IN CAPITALS OF OSTANS, THE YEAR 1390**



For data see Table 1.7.





### 1. 8. ABSOLUTE MAXIMUM TEMPERATURE IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1390 (°c)

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak .....	24. 4	31. 4	38. 2	39. 8	38. 2	38. 2
Ardebil.....	24. 6	27. 0	29. 6	34. 8	39. 2	32. 6
Orumiyeh .....	24. 9	26. 3	32. 1	38. 0	38. 2	31. 4
Esfahan.....	26. 4	35. 0	38. 6	40. 8	39. 8	38. 6
Ahvaz .....	38. 4	44. 0	48. 8	51. 6	51. 6	46. 8
Ilam.....	27. 6	31. 0	38. 6	41. 6	42. 0	36. 0
Bojnurd .....	29. 0	33. 4	38. 6	38. 6	39. 0	34. 8
Bandar Abbas ...	37. 4	44. 0	44. 8	45. 0	43. 2	42. 5
Bushehr ...	33. 2	41. 6	39. 0	42. 0	43. 0	38. 4
Birjand .....	28. 4	37. 0	39. 8	39. 2	38. 4	38. 2
Tabriz ..	23. 8	26. 8	33. 8	41. 0	40. 0	34. 8
Tehran .....	27. 4	32. 8	39. 6	42. 2	40. 6	38. 4
Khorramabad .....	28. 6	34. 0	41. 4	44. 4	44. 0	39. 0
Rasht .....	35. 4	30. 8	31. 4	34. 2	37. 2	32. 0
Zahedan ...	29. 6	38. 5	40. 5	39. 5	39. 5	38. 4
Zanjan .....	23. 6	25. 8	34. 0	37. 4	38. 0	33. 2
Sari.....	29. 4	32. 4	34. 8	36. 2	39. 3	31. 6
Semnan .....	30. 0	36. 0	40. 4	43. 2	41. 4	39. 8
Sanandaj .....	26. 4	28. 0	38. 6	42. 7	41. 8	37. 8
Shahr-e-Kord .....	23. 2	30. 0	35. 8	38. 2	36. 4	34. 4
Shiraz .....	27. 8	37. 2	40. 8	40. 6	39. 8	39. 2
Qazvin ..	25. 7	29. 6	38. 6	41. 6	40. 0	34. 6
Qom .....	32. 0	38. 0	44. 0	46. 0	44. 4	41. 1
Karaj.....	28. 4	31. 8	37. 6	38. 4	39. 6	34. 6
Kerman .....	27. 6	35. 4	38. 4	39. 2	38. 2	37. 8
Kermanshah .....	27. 0	30. 3	40. 3	43. 6	43. 2	38. 9
Gorgan .....	37. 6	31. 4	36. 0	39. 2	41. 6	32. 8
Mashhad ..	32. 3	38. 2	39. 5	40. 3	41. 2	37. 1
Hamedan .....	24. 0	27. 7	36. 3	35. 3	39. 2	35. 0
Yasuj .....	25. 0	32. 6	37. 4	38. 0	37. 6	35. 6
Yazd .....	32. 4	39. 2	43. 0	44. 5	43. 4	42. 2

**1. 8. ABSOLUTE MAXIMUM TEMPERATURE IN CAPITALS OF OSTANS BY MONTH,,  
THE YEAR 1390 (continued)** (°C)

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak .....	30.6	21.2	15.2	16.0	13.4	19.6
Ardebil.....	28.8	16.8	10.4	12.4	8.8	15.0
Orumiyeh .....	27.9	18.8	10.6	12	10.4	-15.4
Esfahan.....	32.8	24.2	16.2	17.2	17.4	22.8
Ahvaz .....	43.2	35.0	24.2	23.6	23.6	28.6
Ilam.....	31.2	23.6	20.0	17.4	14.8	22.0
Bojnurd .....	32.6	20.6	10.4	13.0	12.8	21.4
Bandar Abbas ....	38.5	35.9	28.9	26.3	26.3	31.0
Bushehr .....	37.8	31.4	23.4	26.0	23.0	25.0
Birjand .....	33.7	26.6	22.2	19.0	15.7	27.0
Tabriz .....	28.6	20.0	9.8	11.4	10.6	15.2
Tehran .....	32.2	21.2	13.0	14.4	12.6	17.8
Khorramabad .....	34.0	25.0	17.8	17.8	17.0	23.8
Rasht .....	37.2	22.4	22.2	25.4	14.6	26.2
Zahedan .....	36.2	27.7	25.7	24.0	22.9	30.2
Zanjan .....	27.8	18.6	13.0	13.4	10.2	14.2
Sari.....	37.8	22.0	15.8	22.6	18.2	27.6
Semnan .....	33.8	22.4	14.0	13.6	15.0	21.6
Sanandaj .....	31.0	23.2	13.6	14.8	13.4	19.6
Shahr-e-Kord .....	28.0	21.8	14.2	14.6	11.2	17.8
Shiraz .....	34.0	27.0	17.6	19.4	18.0	26.0
Qazvin .....	31.6	20.4	12.6	13.4	12.6	19.0
Qom .....	37.3	23.8	16.7	26.0	15.4	25.6
Karaj.....	31.0	21.8	11.8	13.2	11.4	18.4
Kerman .....	33.0	28.0	22.0	22.0	19.0	28.0
Kermanshah .....	32.4	24.6	16.3	15.8	14.9	22.0
Gorgan .....	38.0	21.4	17.4	18.6	18.4	26.0
Mashhad .....	35.7	22.9	15.0	17.1	15.6	23.2
Hamedan .....	29.0	20.0	12.7	14.0	11.0	18.6
Yasuj .....	31.8	23.6	17.5	17.5	13.5	20.4
Yazd .....	36.4	29.6	19.0	23.4	21.0	29.4

Source: I. R. I. Meteorological Organization.

**1. 9. ABSOLUTE MINIMUM TEMPERATURE IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1390**

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak.....	-2.4	5.8	5.8	16.2	16.6	10.8
Ardebil.....	-3.6	0.2	4.2	3.0	6.6	2.4
Orumiyeh .....	-3.1	1.9	7.2	13.1	9.1	6.6
Esfahan.....	1.4	9.4	15.2	18.4	18.4	12.4
Ahvaz .....	12.0	18.8	21.4	27.6	26.0	20.6
Ilam.....	1.0	5.0	10.6	16.0	17.0	12.4
Bojnurd .....	1.0	5.8	12.2	11.4	15.2	8.8
Bandar Abbas .....	17.6	20.4	25.8	28.0	28.3	26.1
Bushehr .....	14.0	21.0	25.6	27.0	29.6	27.2
Birjand .....	1.8	7.4	12.8	12.8	12.8	7.7
Tabriz .....	-1.2	4.0	8.4	15.0	17.0	10.2
Tehran ....	5.0	11.0	14.0	19.0	22.6	13.6
Khorramabad .....	1.6	6.4	10.0	15.0	15.8	9.4
Rasht .....	3.8	8.8	14.4	15.8	19.2	14.0
Zahedan .....	5.9	10.3	14.0	16.1	16.9	11.3
Zanjan .....	-4.8	1.2	5.8	10.2	11.8	6.4
Sari .....	4.6	8.8	16.1	19.0	21.8	15.0
Semnan .....	3.8	10.8	17.4	21.4	22.2	12.4
Sanandaj .....	-2.0	4.2	7.2	9.8	12.3	8.4
Shahr-e-Kord .....	-7.0	-1.4	1.0	8.6	7.4	3.0
Shiraz .....	0.6	7.4	11.2	17.0	17.7	17.4
Qazvin ...	-1.2	4.0	8.6	12.0	15.2	10.2
Qom .....	3.0	10.0	17.0	21.0	18.8	11.8
Karaj.....	2.2	8.0	10.6	12.8	16.2	10.0
Kerman .....	2.0	9.4	13.4	11.6	13.6	8.2
Kermanshah .....	-0.8	4.8	7.2	13.2	14.4	10.2
Gorgan .....	2.5	5.8	15.0	19.4	21.8	14.2
Mashhad .....	2.4	11.8	16.2	16.4	18.1	11.1
Hamedan ...	-4.9	2.2	5.1	14.2	11.1	7.2
Yasuj ....	0.0	6.0	9.0	14.2	15.6	10.6
Yazd .....	6.2	15.6	19.8	21.6	21.6	15.8

**1. 9. ABSOLUTE MINIMUM TEMPERATURE IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1390 (continued) (°C)**

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak.....	0.6	-6.0	-8.2	-10.0	-12.0	-10.2
Ardebil.....	-1.6	-17.0	-14.4	-14.4	-23.0	-18.4
Orumiyeh .....	-1.9	-8.5	-9.4	-9.4	-15.6	-13.0
Esfahan.....	4.8	-2.6	-5.0	-7.6	-9.2	-6.2
Ahvaz .....	13.0	6.8	3.2	3.0	-1.2	4.6
Ilam.....	2.4	-2.6	-5.0	-4.8	-11.8	-7.4
Bojnurd .....	2.0	-3.4	-9.2	-16.4	-16.2	15.2
Bandar Abbas .....	19.3	14.5	6.2	4.6	5.1	9.7
Bushehr .....	17.4	12.4	9.8	9.8	3.0	8.6
Birjand .....	3.4	-2.2	-13.0	-12.8	-10.6	-7.2
Tabriz .....	1.0	-7.6	-8.8	-7.2	-13.2	-12.4
Tehran .....	6.4	-1.2	-2.0	-2.4	-6.0	-4.6
Khorramabad .....	2.0	0.0	-6.0	-7.8	-8.4	-6.2
Rasht .....	10.6	2.2	-0.4	-1.2	-2.4	-3.6
Zahedan .....	7.2	3.0	-11.6	-11.4	-10.7	-8.3
Zanjan .....	-2.2	-8.4	-11.2	-12.0	-23.4	-14.0
Sari .....	11.0	0.0	-1.0	-1.0	-3.4	-1.6
Semnan .....	7.6	-0.4	-3.0	-5.0	-6.2	-5.6
Sanandaj .....	0.2	-3.9	-9.1	-9.0	-11.6	-11.8
Shahr-e-Kord .....	-4.6	-8.4	-12.2	-15.0	-17.6	-16.2
Shiraz .....	3.0	-2.2	-3.4	-4.6	-8.1	-4.0
Qazvin .....	3.2	-5.4	-6.6	-8.6	-10.9	-9.6
Qom .....	6.2	-1.0	-4.6	-7.7	-8.0	-7.7
Karaj.....	3.9	6.6	-4.2	-5.2	-8.8	-7.0
Kerman .....	3.8	-3.4	-10.0	-10.4	-10.8	-8.0
Kermanshah .....	2.5	-1.9	-7.8	-9.0	-11.2	-11.2
Gorgan .....	9.0	-1.0	-2.6	-2.4	-3.2	-1.8
Mashhad .....	7.2	-5.0	-9.9	-12.8	-10.1	-10.6
Hamedan .....	-4.4	-4.4	-9.6	-11.0	-19.0	-12.5
Yasuj .....	1.4	-4.0	-5.6	-6.0	-9.6	-6.8
Yazd .....	9.2	0.2	-2.2	-4.0	-6.0	-6.0

Source: I. R. I. Meteorological Organization.

### 1. 10. MONTHLY AVERAGE TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1390 (°c)

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak .....	11. 8	17. 0	23. 7	27. 9	28. 0	23. 0
Ardebil.....	9. 6	12. 9	17. 1	19. 5	20. 3	15. 5
Orumiyeh .....	10. 4	13. 5	19. 3	23. 8	24. 2	18. 8
Esfahan.....	15. 0	21. 3	27. 4	30. 2	29. 6	24. 8
Ahvaz .....	24. 5	31. 0	36. 6	38. 0	39. 1	34. 9
Ilam.....	13. 1	17. 5	24. 6	28. 0	29. 4	25. 2
Bojnurd .....	12. 8	18. 5	22. 9	25. 0	26. 6	21. 3
Bandar Abbas .....	26. 3	30. 7	33. 9	34. 3	34. 3	33. 2
Bushehr .....	22. 8	29. 9	31. 7	32. 7	34. 6	32. 7
Birjand .....	15. 4	23. 8	27. 5	27. 3	27. 2	22. 5
Tabriz .....	11. 2	14. 8	22. 0	27. 1	28. 0	22. 9
Tehran .....	16. 5	22. 0	28. 4	31. 5	31. 8	25. 9
Khorramabad .....	13. 4	20. 2	25. 4	28. 0	30. 0	25. 3
Rasht .....	14. 1	17. 6	23. 7	26. 2	26. 5	22. 1
Zahedan .....	19. 3	25. 9	28. 9	28. 6	28. 6	25. 0
Zanjan .....	10. 1	14. 0	19. 6	23. 8	24. 0	19. 5
Sari .....	15. 3	18. 6	25. 2	27. 9	29. 5	24. 7
Semnan .....	17. 0	23. 8	32. 5	32. 8	33. 0	26. 9
Sanandaj .....	11. 8	15. 3	22. 4	27. 0	27. 9	23. 6
Shahr-e-Kord .....	9. 0	14. 3	18. 8	23. 1	22. 9	18. 6
Shiraz .....	15. 5	22. 1	27. 3	29. 3	29. 4	25. 9
Qazvin .....	12. 5	16. 5	23. 1	27. 0	27. 2	22. 1
Qom .....	17. 1	23. 0	29. 7	33. 1	33. 3	26. 3
Karaj.....	14. 2	18. 6	25. 1	27. 8	28. 6	23. 1
Kerman .....	15. 4	21. 9	26. 7	27. 6	26. 3	23. 1
Kermanshah .....	12. 8	16. 5	24. 5	28. 8	29. 8	25. 0
Gorgan .....	14. 5	19. 0	25. 5	28. 4	30. 2	25. 2
Mashhad .....	14. 8	22. 7	26. 9	28. 4	29. 2	23. 2
Hamedan .....	9. 8	14. 1	20. 0	27. 0	27. 5	21. 9
Yasuj .....	12. 0	18. 2	23. 4	26. 5	26. 6	22. 9
Yazd .....	19. 3	26. 4	31. 5	34. 0	32. 9	28. 0

**1. 10. MONTHLY AVERAGE TEMPERATURE IN CAPITALS OF OSTANS, THE YEAR 1390**  
(continued) (°c)

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak .....	17.7	8.1	2.3	3.2	2.3	3.8
Ardebil.....	13.3	3.5	-1.1	2.2	-2.2	0.7
Orumiyeh .....	14.0	4.2	-1.3	0.2	-1.0	0.4
Esfahan.....	20.2	11.7	4.4	4.6	4.5	7.7
Ahvaz .....	29.9	21.3	13.6	14.3	13.1	16.1
Ilam.....	19.4	11.2	6.1	5.7	4.1	5.2
Bojnurd .....	16.4	7.3	0.9	0.7	-1.0	2.6
Bandar Abbas .....	30.7	25.6	19.7	18.2	17.9	20.3
Bushehr .....	29.2	23.8	16.4	16.9	15.4	16.4
Birjand .....	19.1	13.5	5.4	3.8	3.2	7.4
Tabriz .....	16.0	5.2	-1.2	1.4	-0.9	0.6
Tehran .....	21.7	10.3	5.2	5.8	3.7	6.6
Khorramabad .....	19.8	11.7	4.6	4.8	4.6	7.1
Rasht .....	19.5	10.8	7.2	8.9	3.6	6.7
Zahedan .....	21.6	16.9	8.5	7.4	7.3	12.5
Zanjan .....	14.7	5.3	0.7	0.9	-2.3	0.4
Sari .....	20.9	12.3	7.7	9.2	5.8	8.2
Semnan .....	22.1	11.2	4.5	4.5	3.4	6.2
Sanandaj .....	17.0	8.8	2.1	3.0	1.6	3.2
Shahr-e-Kord .....	13.6	7.7	1.4	1.4	0.4	1.6
Shiraz .....	21.5	14.1	11.2	7.3	6.6	9.2
Qazvin .....	18.0	7.3	2.6	2.9	0.9	3.7
Qom .....	21.8	11.1	5.3	5.3	4.5	7.9
Karaj.....	19.0	7.5	3.6	3.9	1.5	5.2
Kerman .....	19.3	13.4	5.7	6.5	5.5	9.2
Kermanshah .....	18.7	10.6	3.1	4.4	3.0	4.4
Gorgan .....	20.9	11.7	6.8	7.6	5.0	7.9
Mashhad .....	18.9	8.2	2.5	2.4	1.3	5.7
Hamedan .....	15.8	6.5	0.1	1.2	-0.4	1.6
Yasuj .....	18.2	11.3	5.3	5.7	3.9	5.3
Yazd .....	23.9	14.8	7.0	8.1	7.5	10.7

Source: I.R. I. Meteorological Organization.

**1. 11. ANNUAL PRECIPITATION IN CAPITALS OF OSTANS****(mm)**

Capital of Ostan	1375	1380	1385	1386	1387	1388	1389	1390
Arak .....	303	260	283	380	191	322	262	199
Ardebil.....	347	234	237	269	189	296	237	259
Orumiyeh .....	263	228	372	252	266	300	342	334
Esfahan.....	67	94	220	114	85	179	98	150
Ahvaz .....	152	235	184	159	95	186	173	89
Ilam .....	578	598	555	333	261	477	473	361
Bojnurd .....	000	000	241	228	233	282	232	209
Bandar Abbas .....	167	85	277	99	51	186	99	58
Bushehr ..	217	488	224	181	86	156	145	124
Birjand .....	000	000	135	123	147	233	83	95
Tabriz .....	259	210	129	203	197	233	180	272
Tehran .....	156	192	227	294	139	238	213	316
Khorramabad .....	428	440	510	468	317	475	415	286
Rasht .....	1015	1262	1476	1134	1058	1088	1127	1637
Zahedan .....	73	14	55	108	58	99	99	47
Zanjan .....	249	232	308	346	152	325	233	366
Sari .....	000	591	684	676	715	955	547	919
Semnan .....	128	73	177	166	91	141	105	176
Sanandaj .....	413	310	449	361	229	414	311	373
Shahr-e-Kord .....	258	334	413	225	200	420	274	240
Shiraz .....	202	317	305	222	114	270	239	274
Qazvin .....	000	232	325	305	162	338	353	424
Qom .....	78	125	111	204	97	165	87	123
Karaj.....	000	000	000	000	000	000	000	351
Kerman .....	123	119	134	81	99	78	119	108
Kermanshah .....	396	357	430	344	292	415	342	415
Gorgan .....	000	468	522	332	422	649	360	724
Mashhad .....	170	153	223	202	165	277	156	254
Hamedan .....	213	225	283	358	221	396	301	313
Yasuj .....	474	1126	777	682	367	561	769	661
Yazd .....	29	60	44	43	53	45	36	22

Source: I.R. I. Meteorological Organization.



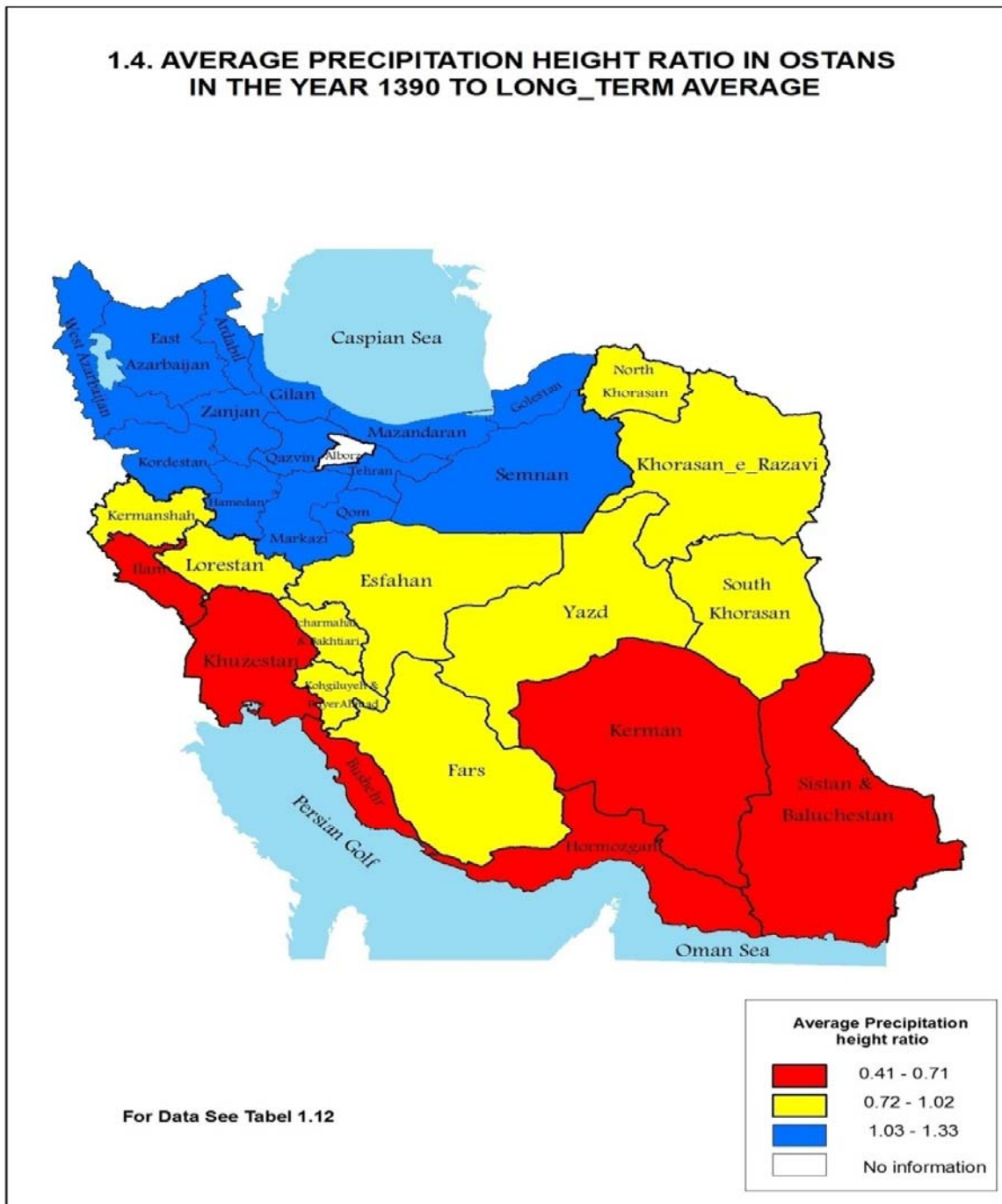
**1. 12. AVERAGE ANNUAL HEIGHT OF PRECIPITATION IN OSTANS****(mm)**

Ostan	1380	1385	1386	1387	1388	1389	1390	Long term
<b>Total country</b> .....	<b>195.98</b>	<b>147.68</b>	<b>137.11</b>	<b>113.22</b>	<b>249.68</b>	<b>201.69</b>	<b>205.92</b>	<b>232.19</b>
East Azarbayejan .....	206.66	204.80	203.28	114.22	287.85	253.36	295.60	258.14
West Azarbayejan .....	278.78	289.83	226.69	180.83	374.10	334.72	407.57	358.63
Ardebil .....	291.21	195.15	274.69	144.53	365.61	341.60	378.85	329.57
Esfahan .....	136.10	127.9	108.34	97.26	195.20	145.77	144.56	163.10
Alborz <sup>(1)</sup> .....	<sup>(1)</sup> 000	<sup>(1)</sup> 000	<sup>(1)</sup> 000	<sup>(1)</sup> 000	<sup>(1)</sup> 000	<sup>(1)</sup> 000	<sup>(1)</sup> 000	<sup>(1)</sup> 000
Ilam .....	432.08	245.55	156.29	178.50	386.53	365.15	262.11	433.26
Bushehr .....	457.87	174.04	77.44	76.11	280.00	182.08	124.28	297.39
Tehran .....	235.47	185.01	253.13	130.47	290.00	283.77	<sup>(1)</sup> 380.99	<sup>(1)</sup> 289.07
Chaharmahal & Bakhtiari.....	670.53	432.25	376.16	331.33	647.53	540.78	488.99	661.46
South Khorasan .....	<sup>(2)</sup> 000	36.53	47.01	86.94	146.25	81.29	99.10	132.98
Khorasan-e-Razavi .....	<sup>(2)</sup> 114.95	86.85	107.37	98.52	232.69	163.17	198.34	194.88
North Khorasan .....	<sup>(2)</sup> 000	185.51	227.16	150.73	339.32	273.00	300.66	309.46
Khuzestan .....	360.70	195.36	153.91	120.45	293.75	261.39	179.27	335.03
Zanjan .....	237.74	211.37	308.02	129.64	358.87	323.32	383.55	314.39
Semnan .....	110.04	105.22	113.02	80.09	142.47	117.20	156.36	145.54
Sistan & Baluchestan .....	31.95	48.78	81.64	67.24	137.08	107.18	74.10	108.50
Fars .....	305.62	205.79	122.70	92.64	317.05	260.11	226.74	305.78
Qazvin .....	330.04	266.95	285.19	179.91	361.22	378.05	422.24	335.42
Qom .....	107.95	99.01	150.45	85.83	170.40	115.92	141.74	134.03
Kordestan .....	399.62	309.74	280.88	234.30	456.10	407.02	472.39	454.39
Kerman .....	93.08	58.79	40.88	45.64	139.67	112.63	79.30	123.97
Kermanshah .....	370.12	285.22	208.60	248.49	469.26	391.59	432.58	456.37
Kohgiluyeh & Boyerahmad ...	712.05	286.45	298.55	202.26	553.75	488.65	426.15	540.18
Golestan .....	382.98	302.73	293.43	237.03	532.67	379.66	567.95	470.52
Gilan .....	1057.41	897.20	623.91	666.38	841.07	916.54	1231.13	1002.94
Lorestan .....	405.97	336.20	404.61	239.06	460.64	414.99	331.13	456.15
Mazandaran .....	774.84	570.26	495.96	536.59	751.63	585.17	909.19	723.86
Markazi .....	193.89	190.95	235.24	140.34	351.18	252.87	238.27	222.38
Hormozgan .....	105.33	93.91	48.84	39.15	197.52	121.08	73.51	165.84
Hamedan .....	271.51	248.53	296.76	194.88	401.94	356.54	350.89	339.46
Yazd .....	76.19	46.52	37.49	51.52	94.40	57.89	60.31	83.66

1. Statistics for Alborz is included with Tehran

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

Source: I.R. I. Meteorological Organization:



**1. 13. MONTHLY PRECIPITATION IN CAPITALS OF OSTANS, THE YEAR 1390****(mm)**

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak .....	34.5	23.7	0.4	1.2	0.0	0.0
Ardebil .....	20.0	52.7	15.5	0.7	3.9	5.6
Orumiyeh .....	47.8	111.1	13.6	0.0	5.2	4.2
Esfahan .....	5.4	14.5	0.0	0.0	0.0	0.0
Ahvaz .....	4.3	9.2	0.0	0.0	0.0	0.0
Ilam .....	65.5	78.6	0.0	0.0	0.0	0.0
Bojnurd .....	11.0	34.2	11.4	12.2	0.0	1.6
Bandar Abbas .....	0.3	0.0	0.0	0.0	0.0	0.01
Bushehr .....	2.4	0.0	0.0	0.0	0.0	0.0
Birjand .....	6.8	5.1	2.7	0.0	0.0	0.0
Tabriz .....	36.7	89.2	14.0	8.5	1.5	5.5
Tehran .....	16.8	10.6	0.4	0.8	0.01	22.3
Khorramabad .....	36.3	64.4	0.0	0.0	0.0	0.0
Rasht .....	30.8	53.7	10.2	39.0	98.7	276.5
Zahedan .....	3.5	9.8	10.4	0.0	0.0	0.0
Zanjan .....	69.1	51.2	22.4	8.0	30.2	7.4
Sari .....	1.5	33.9	4.6	38.9	36.7	77.8
Semnan .....	4.4	5.0	0.7	0.1	0.0	26.3
Sanandaj .....	57.5	104.7	0.01	0.01	0.0	0.01
Shahr-e-Kord .....	26.4	11.7	0.0	0.0	0.6	0.0
Shiraz .....	20.8	0.0	0.0	0.0	0.0	0.0
Qazvin .....	48.6	79.0	8.1	9.2	3.7	42.7
Qom .....	15.4	23.3	0.0	0.0	0.0	0.0
Karaj.....	31.4	15.0	1.6	2.0	0.0	46.9
Kerman .....	8.4	0.0	0.0	0.0	0.0	13.8
Kermanshah .....	51.1	119.7	0.0	0.01	0.0	0.0
Gorgan .....	6.2	24.2	26.1	42.5	42.5	46.6
Mashhad .....	13.8	15.4	6.4	0.0	0.0	2.3
Hamedan .....	28.5	78.1	1.3	0.0	0.0	0.0
Yasuj .....	60.5	1.7	0.0	0.0	0.0	0.0
Yazd .....	4.7	0.01	0.0	0.0	0.0	0.0

**1. 13. MONTHLY PRECIPITATION IN CAPITALS OF OSTANS, THE YEAR 1390 (continued)**  
(mm)

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak .....	0.0	91.6	7.2	2.2	26.2	12.2
Ardebil .....	16.3	70.8	9.5	21.8	8.4	33.6
Orumiyeh .....	20.1	80.6	6.0	13.3	11.5	20.3
Esfahan .....	0.0	77.2	16.3	0.4	32.4	3.5
Ahvaz .....	0.0	20.7	0.0	2.9	32.6	19.6
Ilam .....	0.0	43.5	1.8	22.7	74.5	74.8
Bojnurd .....	25.0	24.9	12.2	12.7	45.8	17.6
Bandar Abbas .....	32.3	0.0	9.7	0.01	0.2	15.3
Bushehr .....	0.0	25.2	46.0	36.0	6.3	7.8
Birjand .....	0.0	7.1	8.8	3.0	48.1	13.5
Tabriz .....	18.0	38.1	5.3	21.2	13.0	21.3
Tehran .....	0.01	178.7	6.7	24.9	47.1	8.0
Khorramabad .....	0.0	102.0	7.1	11.1	45.1	20.2
Rasht .....	260.6	359.3	161.9	124.8	86.9	134.5
Zahedan .....	4.2	0.01	0.0	0.2	14.4	4.2
Zanjan .....	1.0	82.1	1.1	26.5	45.3	21.5
Sari .....	162	124.9	49.6	80.5	183.2	125.6
Semnan .....	6.0	62.4	5.1	1.3	60.6	4.5
Sanandaj .....	0.1	102.5	0.7	20.7	67.3	19.2
Shahr-e-Kord .....	0.0	115.8	2.7	4.0	65.2	13.8
Shiraz .....	0.0	16.0	53.9	67.5	89.1	26.3
Qazvin .....	1.7	138.3	4.6	22.7	53.0	12.0
Qom .....	0.0	50.3	14.5	0.8	15.4	3.7
Karaj.....	0.0	172	6.4	30.2	39.1	6.5
Kerman .....	0.3	4.6	11.1	4.9	49.7	15.5
Kermanshah .....	0.01	131.0	0.8	10.4	68.2	33.9
Gorgan .....	143.7	72.7	57.2	46.7	131.4	83.7
Mashhad .....	6.6	57.1	21.5	40.5	42.9	47.9
Hamedan .....	0.1	138.2	4.6	11.3	23.9	26.5
Yasuj .....	0.0	161.1	73.1	60.3	237.5	66.4
Yazd .....	0.0	2.9	12.8	0.01	1.1	0.0

Source: I. R. I. Meteorological Organization.

**1. 14. HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS BY MONTH, THE YEAR  
1390 (hour)**

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak .....	244. 5	223. 7	347. 1	320. 5	322. 1	311. 2
Ardebil.....	208. 5	202. 0	283. 4	322. 8	288. 3	201. 0
Orumiyeh .....	232. 0	236. 0	337. 8	372. 1	351. 6	328. 7
Esfahan.....	288. 2	252. 6	374. 4	341. 1	342. 6	340. 8
Ahvaz .....	266. 7	212. 0	345. 0	338. 5	349. 3	342. 1
Ilam.....	227. 1	226. 6	359. 0	360. 1	355. 4	342. 3
Bojnurd .....	254. 6	221. 1	331. 7	344. 4	339. 3	282. 8
Bandar Abbas .....	244. 1	287. 4	281. 8	161. 6	289. 0	284. 0
Bushehr .....	230. 2	260. 5	322. 7	308. 4	323. 5	315. 0
Birjand .....	312. 1	294. 7	315. 6	379. 8	371. 2	344. 2
Tabriz .....	204. 5	245. 4	322. 2	349. 9	353. 8	338. 9
Tehran .....	249. 4	214. 0	324. 4	309. 1	337. 4	307. 3
Khorramabad .....	260. 0	215. 4	350. 5	353. 2	361. 1	339. 8
Rasht .....	134. 7	84. 0	197. 4	264. 7	198. 9	126. 5
Zahedan .....	264. 6	280. 8	300. 5	336. 0	330. 9	301. 0
Zanjan .....	245. 1	212. 8	333. 8	346. 3	347. 5	325. 8
Sari .....	18. 5	105. 0	192. 8	219. 0	224. 9	147. 2
Semnan .....	269. 2	232. 7	321. 4	302. 2	341. 8	301. 9
Sanandaj .....	244. 4	235. 1	350. 6	362. 9	364. 8	341. 9
Shahr-e-Kord .....	266. 3	231. 9	371. 4	330. 8	320. 0	333. 4
Shiraz .....	260. 7	241. 0	362. 5	336. 9	329. 1	317. 6
Qazvin .....	240. 8	213. 6	342. 4	342. 4	351. 6	324. 3
Qom .....	255. 6	201. 9	345. 8	341. 6	334. 0	322. 0
Karaj.....	235. 0	220. 0	326. 0	332. 0	342. 0	311. 0
Kerman .....	269. 7	300. 3	339. 3	321. 8	354. 4	322. 8
Kermanshah .....	191. 3	179. 5	314. 1	314. 2	341. 1	322. 2
Gorgan .....	158. 0	133. 6	230. 1	249. 3	270. 4	217. 4
Mashhad .....	245. 1	257. 5	336. 7	380. 6	374. 6	328. 1
Hamedan .....	350. 8	220. 5	361. 7	352. 9	346. 0	330. 3
Yasuj .....	264. 0	296. 1	372. 1	350. 3	341. 6	339. 3
Yazd .....	285. 5	296. 7	345. 5	338. 2	352. 9	339. 0

**1. 14. HOURS OF BRIGHT SUNSHINE IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1390 (continued)**  
(hour)

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak .....	286.3	151.8	197.8	207.6	212.9	236.3
Ardebil.....	225.5	95.7	181.8	177.1	175.7	181.5
Orumiyeh .....	247.0	99.9	133.2	151.8	176.6	15.6
Esfahan.....	297.8	203.3	199.7	239.8	233.1	272.9
Ahvaz .....	297.7	186.8	243.3	195.4	179.6	231.9
Ilam.....	294.0	196.9	236.9	192.5	173.3	201.2
Bojnurd .....	243.9	127.7	159.3	151.7	139.7	179.4
Bandar Abbas .....	242.3	270.0	271.3	233.3	207.3	213.6
Bushehr .....	287.3	236.4	237.6	207.6	185.6	219.6
Birjand .....	307.0	238.1	250.9	250.9	179.7	259.5
Tabriz .....	238.9	114.3	147.2	147.8	156.7	207.0
Tehran .....	278.0	137.0	176.0	205.0	180.9	219.6
Khorramabad .....	292.6	168.6	220.1	190.4	185.3	196.9
Rasht .....	139.7	75.6	112.1	124.7	70.3	137.1
Zahedan .....	281.3	270.5	274.6	258.2	227.0	244.6
Zanjan .....	257.6	112.1	178.9	159.9	141.7	203.9
Sari .....	175.9	117.7	152.7	157.2	127.0	140.9
Semnan .....	297.2	157.5	178.5	225.2	196.6	234.3
Sanandaj .....	287.2	165.9	198.2	172.7	173.0	208.9
Shahr-e-Kord .....	295.1	207.4	238.4	234.2	223.4	251.6
Shiraz .....	298.3	248.3	246.7	235.3	213.8	271.5
Qazvin .....	279.5	132.9	205.0	200.7	171.4	217.9
Qom .....	284.3	159.2	191.1	232.4	219.5	231.7
Karaj.....	281.0	123.0	193.0	191.0	183.0	212.0
Kerman .....	300.7	262.0	256.7	255.9	206.3	258.1
Kermanshah .....	276.4	173.9	226.3	179.1	184.9	184.1
Gorgan .....	196.1	126.9	157.9	152.6	126.6	155.7
Mashhad .....	270.0	114.1	129.0	160.3	142.3	197.5
Hamedan .....	303.3	145.9	189.0	196.4	203.6	236.2
Yasuj .....	306.8	200.1	243.9	202.5	178.6	239.8
Yazd .....	301.0	224.3	213.0	257.2	222.9	252.3

Source: I. R. I. Meteorological Organization.

**1. 15. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1390**  
(mps)

Capital of Ostan	Farvardin	Ordibehesht	Khordad	Tir	Mordad	Shahrivar
Arak .....	10	10	10	10	10	8
Ardebil.....	22	13	11	16	15	14
Orumiyeh .....	15	13	10	8	11	6
Esfahan.....	15	12	10	8	10	12
Ahvaz .....	13	21	12	9	9	10
Ilam.....	25	14	14	9	10	20
Bojnurd .....	18	17	20	11	14	15
Bandar Abbas .....	11	12	9	9	9	8
Bushehr .....	13	18	11	10	11	10
Birjand .....	16	11	12	13	14	10
Tabriz .....	17	17	16	17	18	19
Tehran .....	30	23	15	15	14	14
Khorramabad .....	15	12	15	8	8	12
Rasht .....	15	13	14	8	7	9
Zahedan .....	22	24	18	18	20	13
Zanjan .....	15	10	12	13	15	11
Sari .....	15	18	16	7	6	7
Semnan .....	25	16	12	12	9	12
Sanandaj .....	14	11	10	9	10	9
Shahr-e-Kord .....	13	15	12	14	9	6
Shiraz .....	14	11	12	7	11	9
Qazvin .....	22	14	14	15	30	10
Qom .....	23	24	26	17	19	15
Karaj.....	20	16	18	20	11	25
Kerman .....	20	18	12	11	12	16
Kermanshah .....	11	11	11	13	13	10
Gorgan .....	20	15	11	12	11	9
Mashhad .....	14	15	11	12	12	11
Hamedan .....	25	18	16	24	17	13
Yasuj .....	16	11	11	11	15	9
Yazd .....	27	24	15	14	16	13

**1. 15. MAXIMUM WIND SPEED IN CAPITALS OF OSTANS BY MONTH, THE YEAR 1390**  
(continued) (mps)

Capital of Ostan	Mehr	Aban	Azar	Dey	Bahman	Esfand
Arak .....	12	9	7	11	15	16
Ardebil.....	14	16	15	16	15	21
Orumiyeh .....	13	11	5	8	13	12
Esfahan.....	11	12	9	10	15	20
Ahvaz .....	13	9	7	7	12	15
Ilam.....	13	11	10	12	14	18
Bojnurd .....	17	13	15	23	16	19
Bandar Abbas .....	12	9	15	11	11	18
Bushehr .....	12	11	16	14	20	14
Birjand .....	12	12	14	14	11	16
Tabriz .....	17	18	12	12	17	18
Tehran .....	14	12	11	32	14	15
Khorramabad .....	12	10	8	11	12	13
Rasht .....	10	19	12	16	8	18
Zahedan .....	12	14	13	14	32	26
Zanjan .....	13	10	12	8	10	16
Sari .....	23	8	6	9	16	15
Semnan .....	10	7	8	8	11	13
Sanandaj .....	10	9	12	9	12	11
Shahr-e-Kord .....	18	15	14	15	18	24
Shiraz .....	12	9	8	9	12	15
Qazvin .....	17	9	10	8	11	16
Qom .....	22	15	10	16	16	22
Karaj.....	15	13	10	9	11	17
Kerman .....	12	11	13	15	20	30
Kermanshah .....	13	8	10	8	10	13
Gorgan .....	23	15	12	10	22	20
Mashhad .....	10	9	11	8	15	17
Hamedan .....	15	20	20	14	15	21
Yasuj .....	10	10	8	9	12	12
Yazd .....	13	13	10	12	17	19

Source: I. R. I. Meteorological Organization.



**1. 16. AREA AND OVERLAND FLOW COEFFICIENT OF MAIN BASINS**

Main basin	Area (1000 km <sup>2</sup> )	Coefficient of overland flow, 43-year average (1347-1389)( %)
<b>Total country</b> .....	<b>1622.6</b>	<b>22.7</b>
Caspian Sea .....	174.6	23.6
Persian Gulf and Oman Sea .....	424.5	32.1
Lake Orumiyeh .....	51.8	30.9
Central Plateau .....	824.4	10.2
Eastern Border .....	103.2	14.8
Qareh Qum .....	44.2	32.2

Source: Ministry of Energy.

**1. 17. VOLUME OF PRECIPITATION IN THE MAIN BASINS (bln m<sup>3</sup>)**

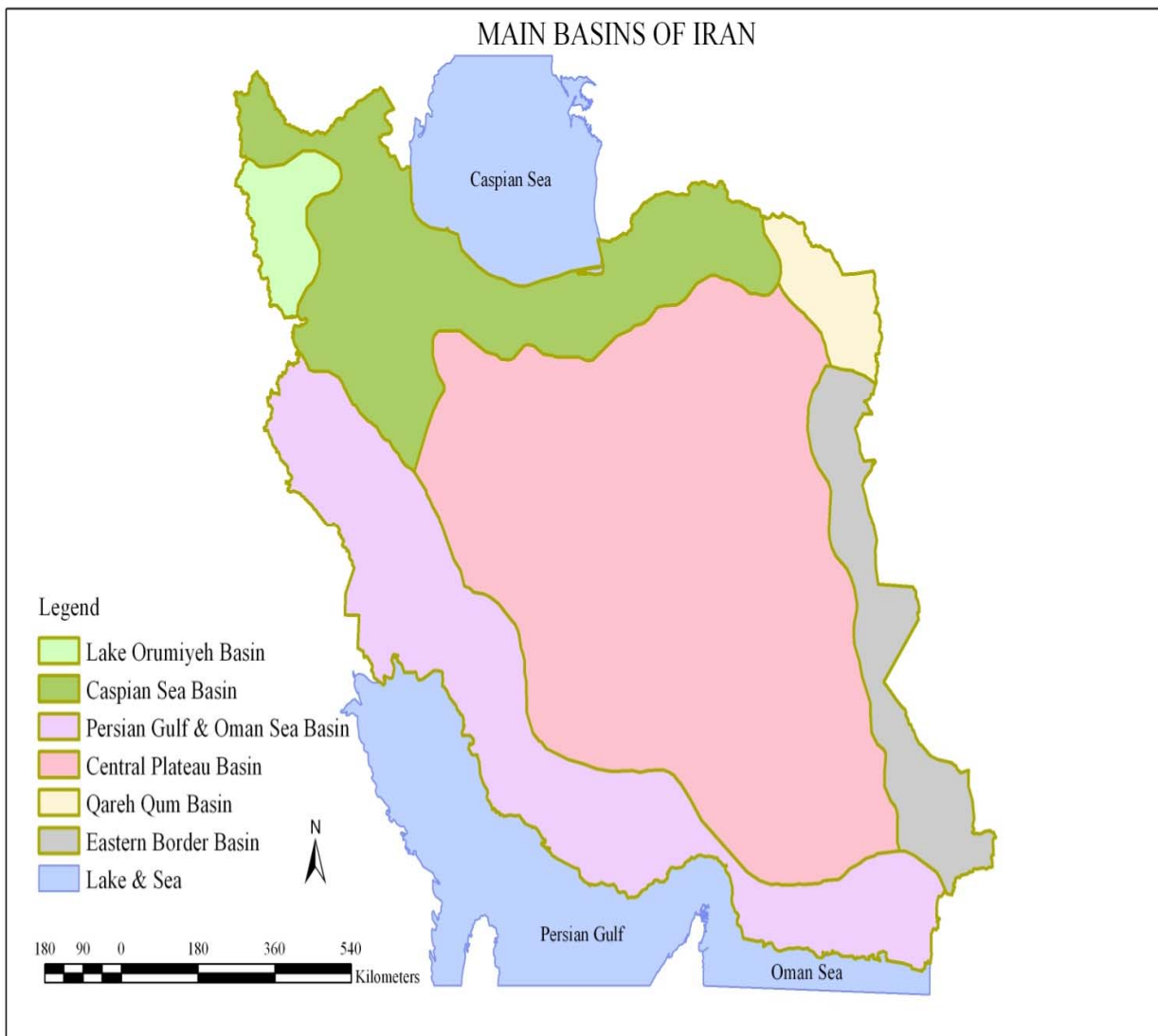
Aquatic year	Total country	Caspian Sea	Persian Gulf & Oman Sea	Lake Orumiyeh	Central Plateau	Eastern Border	Qareh Qum
Average 43-year ( from the years 1347-1389 through 1388-89).....	405. 191	73. 697	157. 368	17. 682	135. 723	10. 923	9. 798
1374-75.....	511. 800	68. 410	212. 650	16. 000	189. 200	19. 490	6. 040
1379-80.....	229. 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
1385-86.....	458. 314	82. 226	163. 754	19. 755	165. 901	15. 653	11. 025
1386-87.....	227. 973	52. 985	80. 709	10. 048	71. 886	7. 091	5. 255
1387-88.....	352. 384	75. 312	107. 879	15. 514	128. 816	13. 664	11. 200
1388-89.....	390. 763	78. 210	151. 606	20. 055	121. 485	1. 037	9. 036
<b>1389-90.....</b>	<b>328. 184</b>	<b>66. 913</b>	<b>120. 200</b>	<b>15. 405</b>	<b>110. 723</b>	<b>8. 331</b>	<b>6. 613</b>

Source: Ministry of Energy.

**1. 18. ESTIMATED VOLUME OF OVERLAND FLOWS OF THE MAIN BASINS (bln m<sup>3</sup>)**

Aquatic year	Total country	Caspian Sea	Persian Gulf & Oman Sea	Lake Orumiyeh	Central Plateau	Eastern Border & Qareh Qum
Average 43-year ( from the years 1347-1389 through 1388-89).....	91. 041	17. 217	50. 009	5. 387	13. 709	4. 719
1374-75.....	109. 560	19. 360	59. 890	4. 770	22. 200	3. 340
1379-80.....	37. 640	6. 540	23. 560	1. 270	4. 520	1. 750
1384-85.....	90. 317	11. 148	62. 297	3. 701	11. 458	1. 713
1385-86.....	83. 794	13. 485	49. 705	4. 208	12. 513	3. 883
1386-87.....	41. 595	7. 172	24. 695	1. 680	6. 291	1. 757
1387-88.....	37. 605	7. 756	18. 832	2. 053	7. 244	1. 719
1388-89.....	52. 067	10. 409	27. 520	3. 139	9. 294	1. 707
<b>1389-90.....</b>	<b>44. 187</b>	<b>7. 904</b>	<b>23. 290</b>	<b>2. 947</b>	<b>8. 718</b>	<b>1. 327</b>

Source: Ministry of Energy.



**1. 19. NUMBER AND AREA OF ZONES PROTECTED BY IRAN DEPARTMENT OF ENVIRONMENT AT THE END OF THE YEAR 1390** (hectare)

Ostan	Total		National park		Wildlife habitat	
	Number	Area	Number	Area	Number	Area
<b>Total country</b> .....	<b>254</b>	<b>16711753</b>	<b>27</b>	<b>1979181</b>	<b>42</b>	<b>5564669</b>
East Azarbayejan.....	8	460035	1	7000	1	89952
West Azarbayejan.....	6	558910	1	540885	2	5756
Ardebil .....	4	136978	-	-	-	-
Esfahan .....	10	974922	2	77148	4	597245
Alborz.....	1	64149	-	-	-	-
Ilam .....	6	148016	-	-	-	-
Bushehr .....	7	151554	2	67122	1	2082
Tehran .....	9	423055	3	46953	-	-
Chaharmahal & Bakhtiari.....	7	157814	1	4372	-	-
South Khorasan .....	6	356406	-	-	2	85689
Khorasan-e-Razavi ... ..	22	781588	1	35540	2	69197
North Khorasan .....	10	194068	2	15268	1	84435
Khuzestan .....	14	685905	2	11594	1	328926
Zanjan .....	3	244610	-	-	1	29812
Semnan .....	6	2098636	2	543285	2	453387
Sistan & Baluchestan .....	9	886020	-	-	1	293031
Fars .....	11	1173610	3	255311	1	153499
Qazvin .....	1	25344	-	-	-	-
Qom .....	1	31735	-	-	-	-
Kordestan .....	5	179456	-	-	1	3292
Kerman .....	16	2467439	1	149982	4	1436674
Kermanshah .....	6	161644	-	-	1	40651
Kohgiluyeh& Boyerahmad .....	8	205580	1	25839	-	-
Golestan .....	4	136821	1	87402	-	-
Gilan .....	15	131867	1	3176	5	3893
Lorestan .....	3	167184	-	-	-	-
Mazandaran .....	20	497583	2	27518	5	84981
Markazi .....	5	133910	-	-	2	27851
Hormozgan ....	16	714053	-	-	2	4378
Hamedan .....	6	60856	-	-	-	-
Yazd .....	9	2302005	1	80786	3	1769938

**1. 19. NUMBER AND AREA OF ZONES PROTECTED BY IRAN DEPARTMENT OF ENVIRONMENT AT THE END OF THE YEAR 1390 (continued) (hectare)**

Ostan	Protected zones		National natural heritages	
	Number	Area	Number	Area
<b>Total country.....</b>	<b>150</b>	<b>9130119</b>	<b>35</b>	<b>37784</b>
East Azarbayejan.....	5	362057	1	1026
West Azarbayejan.....	2	12267	1	2
Ardebil .....	2	129107	2	7871
Esfahan .....	4	300529	-	-
Alborz.....	1	64149	-	-
Ilam .....	4	146495	2	1521
Bushehr .....	2	77768	2	4582
Tehran .....	3	371398	3	4704
Chaharmahal & Bakhtiari.....	5	153062	1	380
South Khorasan .....	4	270717	-	-
Khorasan-e-Razavi ..	16	666958	3	9893
North Khorasan .....	4	94280	3	85
Khuzestan .....	11	345385	-	-
Zanjan .....	2	214798	-	-
Semnan .....	2	1101964	-	-
Sistan & Baluchestan .....	4	592757	4	232
Fars .....	7	764800	-	-
Qazvin .....	1	25344	-	-
Qom .....	1	31735	-	-
Kordestan .....	4	176164	-	-
Kerman .....	10	880783	1	0
Kermanshah .....	3	120992	2	1
Kohgiluyeh& Boyerahmad .....	7	179741	-	-
Golestan .....	3	49419	-	-
Gilan .....	6	124797	3	1
Lorestan .....	2	167183	1	1
Mazandaran .....	10	379561	3	5523
Markazi .....	2	106055	1	4
Hormozgan .....	13	707719	1	1956
Hamedan .....	6	60856	-	-
Yazd .....	4	451279	1	2

Source: Iran Department of Environment.