

Introduction

Since oil, gas, and petrochemical industries play a vital role in Iran's economy, the data on them are presented in an exclusive chapter. The Iranian oil industry came into existence through the exploitation of gas and oil from the first oil well in Masjed Soleyman (southwestern Iran) in the year 1287 (1908) on which data are available. Also, the National Iranian Gas Company (NIGC), established in the year 1955, and the National Iranian Liquefied Gas Company (NILGC), established in the year 1366, have been regularly releasing data on liquefied natural gas (LNG) and liquefied petroleum gas (LPG), respectively.

The start of the first fertilizer plant in the year 1342 was an introduction to the establishment of the National Petrochemical Company in the year 1343. Because of the abundant resources of oil and gas available in the country, the high value-added of the industry, and some other factors, the production of chemicals and petrochemicals has received great attention.

The statistics appearing in this chapter are currently provided by the Deputy for Planning of the Ministry of Oil.

It's worth noting that in addition to the statistics presented in this chapter, Chapter 24 (International Statistics) includes some statistics on oil and gas provided by the Organization of the Petroleum Exporting Countries (OPEC).¹¹

Definitions and concepts

Crude oil: This is a mixture of various types of hydrocarbons with a vast range of distillation temperatures found beneath the deep earth and sea in liquid form in brown to black colour and contains non-oil materials such as sulfur, water, salt and heavy metals and other substances

Kerosene: This is a mixture of petroleum hydrocarbons with distillation temperatures ranging from 150 to 275 degrees Celsius, which is colourless in its natural state and mainly includes hydrocarbon chains C₁₂ to C₁₅. This product, in most

cases, is used as fuel for kerosene-burning home appliances.

Fuel oil: This refers to heavy fractions resulting from crude oil refining, which is liquid form and has a high calorific value. Fuel oil is classified according to the range of distillation and viscosity, and in general, its main use is heat production (in furnaces) or power generation (in ships).

Gas oil: This is one of the intermediate distillation products of the refineries whose ranges of distillation temperature are from 150 to 385 degrees Celsius and its natural colour is amber-yellow. This product is used in heating systems and burners for heating and in internal combustion engines to generate power.

Motor spirit: This is a mixture of liquid lightweight petroleum hydrocarbons mainly in the range of 5 to 12 carbons and the distillation (temperature) of it ranges from 38 to 205 degrees Celsius, which are of two types: super motor spirit and regular motor spirit/gasoline.

Jet fuel: This is used as engine fuel for fighter jets and passenger aircraft. It is produced in different types in terms of a mixture of high quality burning oil and other light oil products (Naphtha) with some additives to reduce the rusting and corrosion risk and to depress its freezing point, etc. In international standards, it is known as JP42 and ATK3

Enriched gas (Natural gas): This refers to the gas delivered to the National Iranian Gas Company (NIGC) (after extracting gas condensate).

Lean gas: This is the rich gas according to the standards of the National Iranian Gas Company, which is converted into this type

1. Organization of Petroleum Exporting Countries.

2. Jet Propellant.

3. Aviation Turbine Kerosene.

after the processes of separation and extraction of liquids and gas condensates.

Liquefied gas: This is a mixture of propane and butane, which is in the form of gas at atmospheric pressure, but can become liquid at ambient temperature and under pressure.

Gas injection: It is an operation that takes place in oil fields in order to increase the recovery factor and the possibility of extracting crude oil from more than one oil field in order to achieve the national macroeconomic goals.

Gas customer: This is a natural or legal person, who has paid the relevant costs and has been assigned a subscription number according to the regulations.

Gas consumer: This is a natural or legal person whose property's gas extension flow is connected and ready for use/ exploitation according to the regulations.

Gas extension: This is the gas pipeline or pipelines that supply gas to the consumers through the gas transmission pipelines and feed the supplying or distribution network up to the gas delivery point.

Polymer This refers to a macromolecule with high molecular mass in the form of a chain, branched or network which is formed by repeating constituent units called monomers. The monomers that make up the polymer can be of one type, two types, or several types. The polymer has synthetic, semi-synthetic and natural types.

Chemicals: They are categorized into organic (containing carbon) and non-organic (without carbon) materials based on the materials used in their production. In the petrochemical industry, chemicals are divided into three categories:

(a) Basics: They include ethylene, propylene, methanol, butadiene, butene-1.

(b) Intermediates: They include ethylene oxide, ethylene glycols, acetic acid, vinyl acetate, EDC, VCM, PTA, ethanol amine, 2-ethyl-hexanol and butanols.

(c) Minerals: They refer to heavy and light sodium carbonate, sodium bicarbonate argon, perchlorine, hydro hydrochloric(chloridric) acid, liquid chlorine, caustic soda, sodium hypochlorite, hydrochloric acid, liquid chlorine, caustic soda, bleach phosphoric acid, sulfuric acid and sulfur.

Aromatics: Aromatic hydrocarbons have an aromatic unsaturated hexagonal ring that contains

one or more benzene rings. Aromatics examples are benzene, toluene, mixed xylenes, paraxylene, orthozapine, ethylbenzene and styrene monomer.

Fuel: This includes propane, butane, pentane plus, pentane, pyrolysis gasoline, C4 raffinate, C6 raffinate, C.F.O, and MTBE.

Fertilizers, pesticides and related materials:

They refer to any type of mineral, organic or biological substance that has nutritional elements that increase soil fertility and improve the qualitative and quantitative performance of the product is called fertilizer and includes chemical, animal, biological, and other types. Chemical fertilizers have a higher variety and consumption rate. This group includes chemical fertilizers of nitrogen, phosphate, potash, sulfur, mixture, etc fertilizers.

A- Chemical fertilizers such as: urea, ammonium nitrate, mono- and di-ammonium phosphate and ammonium sulfate.

B- Pesticides such as: alachlor and butachlor.

C-Associated substances such as ammonia, and nitric acid.substances such as ammonia, and nitric acid.

Selected information

In 1400, the refining capacity of crude oil in refineries in Iran was 791,320 thousands barrels, which has decreased by 0.3% compared to the previous year.

In 1400, a number of 1221 Shars(cities) and 35575 villages in the country were supplied with gas, and 29 Shars(cities) and 2952 villages were being supplied with gas.

The total amount of production of the National Petrochemical Company has reached 65313 thousand tons in 1400 with an increase of 6.8 percent compared to the previous year. Of this amount, 10,243 thousand tons worth 1,908,165 billion rials were related to domestic sales, which has increased by 4.2 and 80 percent, respectively; compared to the previous year. Moreover, the amount of 25,479 thousand tons worth 14,806 million US dollars has been exported, which has increased by 4.6 percent and 67.8 percent, respectively, compared to the previous year.

7.1. REFINEMENT CAPACITY FOR CRUDE OIL IN DOMESTIC REFINERIES (1000 barrels)

Refinery	Year							
	1385	1390	1395 ⁽¹⁾	1396	1397	1398	1399 ⁽¹⁾	1400
Total.....	561735	632180	677832	675980	763580	791320	793488	791320
Abadan	142350	142350	142740	142350	142350	142350	142740	142350
Arak.....	62050	91250	91500	91250	91250	91250	91500	91250
Esfahan.....	103660	103660	103944	103660	103660	131400	131760	131400
Bandar Abbas	84680	116800	117120	116800	116800	116800	117120	116800
Tabriz	40150	40150	40260	40150	40150	40150	40260	40150
Tehran	91250	91250	91500	91250	91250	91250	91500	91250
Shiraz	20440	20440	20496	20440	20440	20440	20496	20440
ermanshah	8030	8030	8052	8030	8030	8030	8052	8030
Lavan (distillation complex)	9125	18250	18300	18250	18250	18250	18300	18250
Gas condensate of Persian Gulf Star	×	×	43920	43800	131400	131400	131760	131400

1. The years 1395 and 1399 were leap years.

Source: Ministry of Oil.

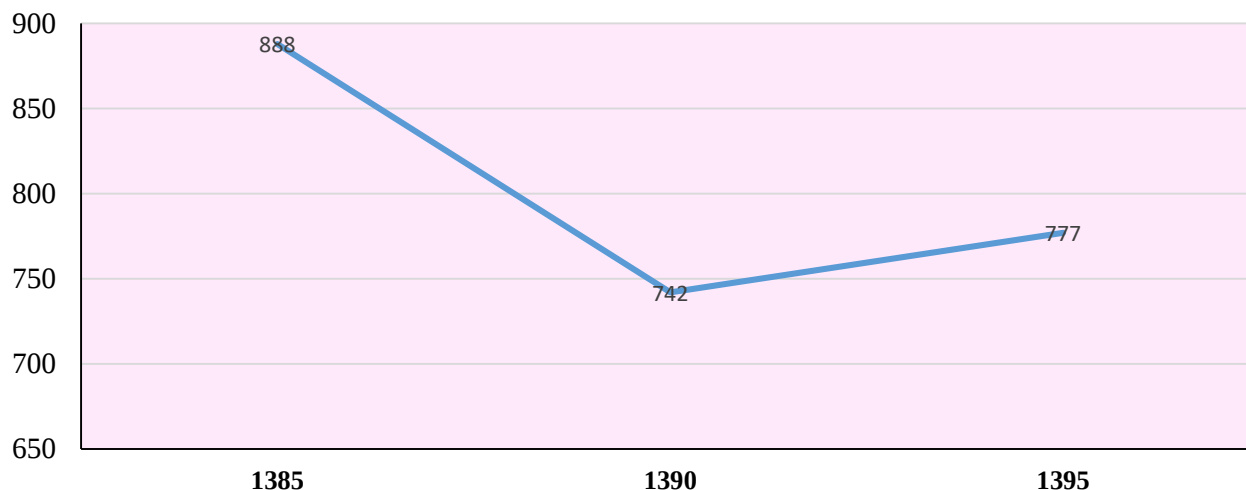
7.2. DIRECT EXPORT OF CRUDE OIL AND OIL PRODUCTS

Description	Year							
	1385	1390	1395	1396	1397	1398	1399	1400
Crude oil (1000 barrels).....	887881	741939	777714	782880	000	000	000	000
Oil products (mln lit/day)	42	14	23	41	000	000	000	000

Source: Ministry of Oil.

7.1. DIRECT EXPORT OF CRUDE OIL

Million barrels



For data see Table 7.2.

7.3. AVERAGE PRODUCTION OF DIFFERENT TYPES OF OIL PRODUCTS IN REFINERIES
(cu m/day)

Product	Year							
	1385	1390	1395	1396	1397	1398	1399	1400
Total	257313 ⁽¹⁾	000	000	000	000	000	000	000
Liquefied gas.....	8016	10120	9068	10774	000	000	000	000
Motor spirit	44664 ⁽¹⁾	54820	62177	81911	000	000	000	000
Kerosene.....	21048	20199	20710	17035	000	000	000	000
Gas oil	80473	80352	80339	84795	000	000	000	000
Fuel oil	76205	65643	69942	56853	000	000	000	000
Jet fuels	3600	000	000	000	000	000	000	000
Lubricants.....	0	000	000	000	000	000	000	000
Bitumen.....	859	000	000	000	000	000	000	000
Other products ⁽²⁾	24107	000	000	000	000	000	000	000

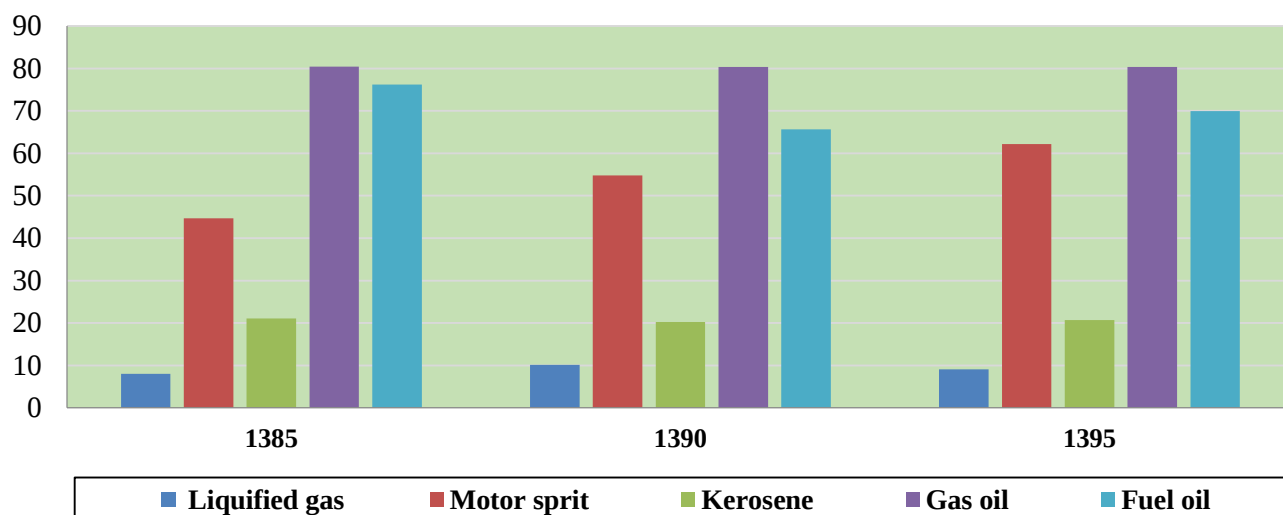
1. Motor spirit includes basic gasoline, MTBE, super gasoline consumption etc.; however, MTBE and super gasoline consumption are not included in the total.

2. Other oil products exclude semi-finished products, gas, hydrogen and sulfur.

Source: Ministry of Oil.

7.2 AVERAGE AMOUNT OF SOME OIL PRODUCTS OF REFINERIES

1000 cu m per day



For data see Table 7.3.

7.4. CONSUMPTION OF OIL PRODUCTS

(1000 cu m)

Product	Year							
	1385	1390	1395	1396	1397	1398	1399	1400
Motor spirit ⁽¹⁾	26887	20884	25762	34317	000	000	000	000
Jet fuel G.P.4	99	000	000	000	000	000	000	000
Jet fuel A. T. K	1155	000	000	000	000	000	000	000
Kerosene	7199	7257	7559	6218	000	000	000	000
Gas oil	31471	29427	28131	29102	000	000	000	000
Fuel oil	15644	19909	19747	9593	000	000	000	000
Lubricants	000	000	000	000	000	000	000	000
Bitumen	4202 ⁽²⁾	000	000	000	000	000	000	000
Liquefied gas	3922	2739	1839	2079	000	000	000	000
Crude lubricants.....	1668	000	000	000	000	000	000	000
Benzinc solvents	42	000	000	000	000	000	000	000
Napht solvents	42	000	000	000	000	000	000	000

1. Including regular, super, and unleaded gasoline.

2. Unit of measurement is regarded as thousand tons and includes VB (primary material of bitumen) as well.

Source: Ministry of Oil.

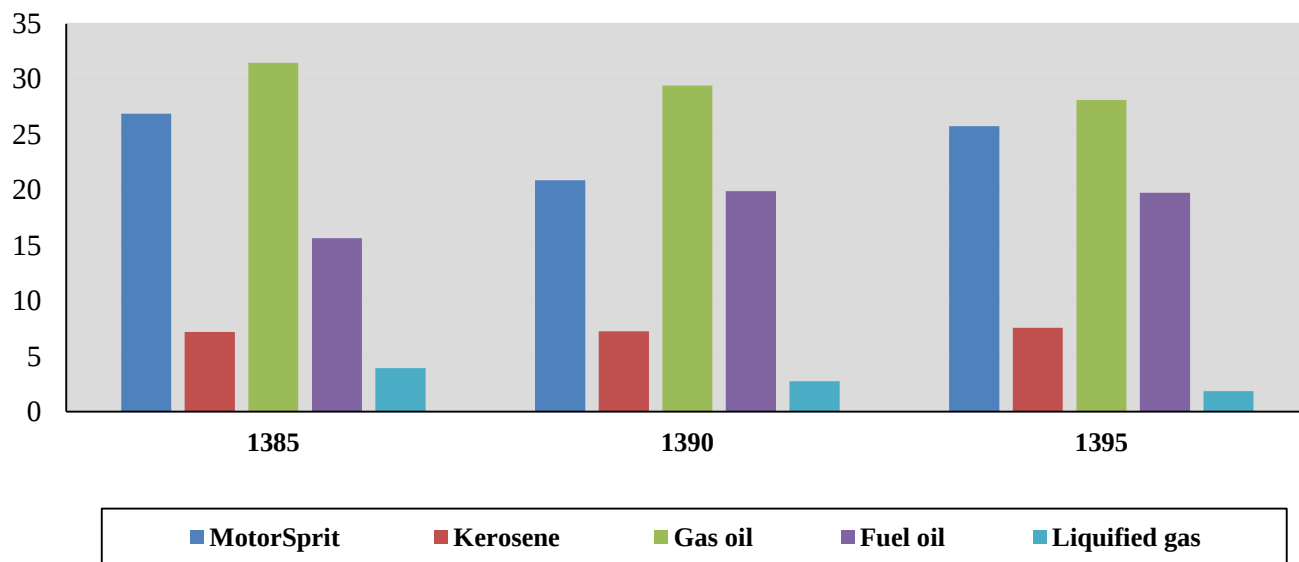
7.5. IMPORTS OF OIL PRODUCTS BY TYPE**(mln/litre)**

Product	Year							
	1385	1390	1395	1396	1397	1398	1399	1400
Total	11897	000	000	000	000	000	000	000
Motor spirit.....	10038	000	3067	4419	000	000	000	000
Kerosene.....	0	0	0	0	0	0	0	0
Gas oil	1858	0	0	0	0	0	0	0
Aircraft gasoline	2	000	000	000	000	000	000	000

Source: Ministry of Oil.

7.3. CONSUMPTION OF SOME OIL PRODUCTS

Mln cu m



For data see Table 7.4.

7.6. TRANSPORTED OIL PRODUCTS BY MEANS OF TRANSPORT (mln ton kms)

Means of transport	Year							
	1385	1390	1395	1396	1397	1398	1398	1400
Total	39185	37249	38024	42749	44012	49709	40971	46941
Pipelines	25194	21854	22145	26432	25002	28965	24057	29818
Railway	2547	1661	2505	2168	2890	3489	3403	2961
Road vehicles	8995	7844	11947	13196	14566	14720	11471	11311
Tankers	2449	5890	1427	953	1554	2535	2040	2851

Source: Ministry of Oil.

7.7. AVERAGE PRODUCTION OF ENRICHED GAS BY SOURCE OF PRODUCTION (mln cu m/day)

Resource	Year							
	1385	1390	1395	1396	1397	1398	1399	1400
Total	464	631	779	845	000	000	000	000
Associated gas	98	104	97	102	000	000	000	000
Cap gas	34	30	28	28	000	000	000	000
Gas of independent gas fields	333	497	655	715	000	000	000	000

Source: Ministry of Oil.

7.8. CITIES SUPPLIED ⁽¹⁾ OR BEING SUPPLIED WITH PIPED GAS AND HOUSEHOLDS COVERED IN THIS PROGRAMME AT THE END OF THE YEAR

Year and Ostan	Cities supplied with piped gas ⁽²⁾		Cities being supplied with piped gas ⁽³⁾
	Number	Number of households	
1385.....	694	16406766	82
1390.....	998	17512239	000
1395.....	1123	17932245	25
1396.....	1153	17969177	47
1397.....	1177	18067454	50
1398.....	1192	18087721	43
1399.....	1215	18218295	28
1400.....	1221	18230210	29
East Azarbayejan.....	67	890557	0
West Azarbayejan	44	633846	2
Ardebil	29	257887	0
Esfahan.....	110	1413759	0
Alborz	16	792535	1
Ilam	26	109991	0
Bushehr	36	234643	0
Tehran	48	4406914	0
Chaharmahal & Bakhtiari	40	175842	0
South Khorasan.....	30	130400	0
Khorasan-e-Razavi.....	79	1427578	0
North Khorasan.....	22	143175	0
Khuzestan.....	83	986703	0
Zanjan	21	217688	0
Semnan.....	20	169707	0
Sistan&Baluchestan	5	215008	8
Fars.....	105	1023014	5
Qazvin	25	295019	0
Qom.....	6	365334	0
Kordestan	31	337871	1
Kerman.....	67	542479	4
Kermanshah	30	439287	2
Kohgiluyeh & Boyerahmad	17	103270	0
Golestan	33	305964	0
Gilan.....	51	537270	0
Lorestan.....	24	333502	1
Mazandaran.....	59	624935	2
Markazi	35	350287	0
Hormozgan.....	10	129074	3
Hamedan	31	346041	0
Yazd	21	290630	0

1. The number of Shars (cities) are based on the definitions provided by the Ministry of Oil.

2. Including all Shars (cities), parts of which are gas consumers.

3. Including cities where piped gas supply operations have already started.

Source: Ministry of Oil.

7.9. VILLAGES SUPPLIED ⁽¹⁾ OR BEING SUPPLIED WITH PIPED GAS AND HOUSEHOLDS COVERED IN THIS PROGRAMME AT THE END OF THE YEAR

Year and Ostan	Villages supplied with piped gas ⁽²⁾		Villages being supplied with piped gas ⁽³⁾
	Number	Number of households	
1385.....	4344	1527073	2294
1390.....	12196	2901337	4715
1395.....	22929	4071715	4303
1396.....	25607	4297835	5120
1397.....	28814	4561313	4174
1398.....	31236	4713119	3960
1399.....	34149	4893540	2632
1400.....	35575	4960038	2952
East Azarbayejan.....	2355	328034	123
West Azarbayejan	1572	235167	330
Ardebil	1459	115823	60
Esfahan.....	1067	182240	7
Alborz	192	60784	43
Ilam	503	47219	44
Bushehr	489	83998	0
Tehran	515	203377	19
Chaharmahal & Bakhtiari	535	86344	12
South Khorasan	1550	91579	95
Khorasan-e-Razavi.....	2563	513354	120
North Khorasan	745	110105	2
Khuzestan.....	2124	267507	252
Zanjan	610	94873	86
Semnan.....	295	39852	8
Sistan & Baluchestan	18	8248	33
Fars.....	2244	375056	106
Qazvin	578	91289	17
Qom.....	160	17537	0
Kordestan	1477	128902	71
Kerman.....	1530	197022	581
Kermanshah	1792	113785	323
Kohgiluyeh & Boyerahmad	922	74329	124
Golestan	921	239423	14
Gilan.....	2094	302459	54
Lorestan.....	1998	158093	188
Mazandaran.....	2470	435774	177
Markazi	1011	105213	4
Hormozgan.....	53	13181	23
Hamedan	1042	192075	3
Yazd	691	47396	33

1. The number of villages are based on the definitions provided by the Ministry of Oil.

2. Including all villages parts of which are gas consumers.

3. Including villages where piped gas supply operations have already started.

Source: Ministry of Oil.

7.10. NUMBER OF AVAILABLE GAS EXTENSIONS ⁽¹⁾ AND NATURAL GAS CONSUMERS BY TYPE AT THE END OF THE YEAR

Year and Ostan	Extension (number)	Number of natural gas consumers		
		Total	Residential	Transportation
1385.....	6170548	9244178	8736507	000
1390.....	8729783	14782893	13795904	000
1395.....	10721161	21118327	19620388	000
1396.....	11215035	22228640	20684528	000
1397.....	11602173	23335595	21639647	000
1398.....	11955733	24844430	23124583	000
1399.....	12334291	25832303	24030000	000
1400.....	12675812	26457479	24441088	2331
East Azarbayejan.....	695489	1722300	1506500	173
West Azarbayejan	489760	1081220	968119	134
Ardebil	254159	533129	483012	70
Esfahan	1233999	1975637	1845489	158
Alborz	284929	927212	855545	56
Ilam	118598	195355	186520	23
Bushehr	223166	257101	251933	35
Tehran	1204078	3729104	3410470	196
Chaharmahal & Bakhtiari	195725	349769	323409	40
South Khorasan	182420	311615	290627	25
Khorasan-e-Razavi.....	1029769	2580243	2389649	184
North Khorasan	182088	346821	316116	34
Khuzestan	708520	1132461	1106725	115
Zanjan	198671	379640	346820	43
Semnan.....	143036	313679	281490	42
Sistan & Baluchestan	82087	108738	106953	2
Fars	888948	1656180	1569113	135
Qazvin	206491	468630	428582	61
Qom	180948	439449	407770	44
Kordestan	282948	585488	542181	54
Kerman	486566	733106	692856	79
Kermanshah	284700	654567	610686	78
Kohgiluyeh & Boyerahmad	134029	215999	206324	28
Golestan	309005	628797	585578	66
Gilan.....	620694	1196093	1093863	96
Lorestan.....	279130	584892	552330	49
Mazandaran.....	833965	1567269	1444895	128
Markazi	302964	599041	551156	66
Hormozgan.....	44869	23321	22539	20
Hamedan	326080	657647	607399	48
Yazd	267981	502976	456439	49

7.10. NUMBER OF AVAILABLE GAS EXTENSIONS ⁽¹⁾ AND NATURAL GAS CONSUMERS BY TYPE AT THE END OF THE YEAR (continued)

Year and Ostan	Number of natural gas consumers				
	Commercial-public ⁽²⁾	Industrial ⁽³⁾	Agricultural	Petrochemical	Power plants ⁽⁴⁾
1385.....	485278	22393	000	000	000
1390.....	924283	62706	000	000	000
1395.....	1395697	102242	000	000	000
1396.....	1438035	106077	000	000	000
1397.....	1580747	115201	000	000	000
1398.....	1595372	124475	000	000	000
1399.....	1669802	132501	000	000	000
1400.....	1870050	81172	62396	35	407
East Azarbayejan.....	205847	6665	3096	1	18
West Azarbayejan	110440	1658	852	4	13
Ardebil	47536	1468	1041	0	2
Esfahan	112320	10214	7418	2	36
Alborz	66670	3843	1084	0	14
Ilam	8041	275	494	1	1
Bushehr	4641	192	288	4	8
Tehran	300989	13227	4171	0	51
Chaharmahal & Bakhtiari	24126	1297	892	1	4
South Khorasan	19473	501	987	0	2
Khorasan-e-Razavi.....	180790	6556	3042	0	22
North Khorasan	29761	441	456	1	12
Khuzestan	23816	754	1030	6	15
Zanjan	30519	1666	578	1	13
Semnan.....	28170	2938	1023	0	16
Sistan & Baluchestan	1719	60	0	0	4
Fars	81946	2577	2389	4	16
Qazvin	36835	2016	1116	0	20
Qom	27722	3086	818	0	9
Kordestan	40967	1089	1193	1	3
Kerman	35688	1677	2788	0	18
Kermanshah	41998	1044	749	5	7
Kohgiluyeh & Boyerahmad	8996	350	298	0	3
Golestan	39836	799	2510	0	8
Gilan.....	95714	2474	3941	0	5
Lorestan.....	30477	1028	998	1	9
Mazandaran.....	107463	4051	10703	0	29
Markazi	41441	4010	2356	3	9
Hormozgan.....	586	57	111	0	8
Hamedan	46464	2476	1255	0	5
Yazd	39059	2683	4719	0	27

1. Including extensions not yet utilized.

2. The values of the Commercial- public column for the years 1385 to 1399 represent the total number of consumers in the transportation and Commercial- public sectors.

3. The values of the industrial column for the years 1385 to 1399 represent the total number of consumers in the industrial, agricultural, petrochemical and power plant sectors.

4. Including small-scale state-owned and private power plants, and cryptocurrency generator industry.

Source: Ministry of Oil.

7.11. NATURAL GAS CONSUMPTION AMOUNT BY TYPE AT THE END OF THE YEAR**(mln cu m)**

Year and Ostan	Total	Residential	Transport ation	Commerci al-public	Industrial	Agricultur al	Petroche mical	Power plants
1385.....	103374	36895	523	4949	21748	53	4506	34700
1390.....	144517	43888	6254	6598	37050	617	10917	39193
1395.....	181314	50339	7649	7583	35106	1970	16983	61684
1396.....	190411	47439	7684	7324	37668	2210	17637	70451
1397.....	199072	52199	7595	7846	40879	2599	18402	69553
1398.....	204222	57554	7576	8331	43959	3287	20495	63020
1399.....	222582	62729	8119	7993	47833	3778	23204	68926
1400.....	229593	60755	8668	8705	47326	4504	24135	75500
East Azarbayejan.....	9866	4063	726	715	2142	221	190	1810
West Azarbayejan	6701	3130	552	393	837	87	34	1668
Ardebil	3603	1523	372	196	262	103	0	1147
Esfahan	21415	4642	574	577	8303	531	90	6698
Alborz	6036	2482	275	298	843	61	0	2078
Ilam	823	308	52	40	81	42	300	1
Bushehr	18439	137	70	27	577	24	13301	4302
Tehran	26365	12026	872	2300	3540	450	0	7179
Chaharmahal & Bakhtiyari .	2280	865	102	103	547	48	612	2
South Khorasan	1708	475	62	69	354	58	0	691
Khorasan-e-Razavi.....	13367	5228	793	838	2785	216	0	3508
North Khorasan	3167	714	103	100	457	32	487	1274
Khuzestan	20276	1002	352	110	4338	44	6492	7938
Zanjan	2897	1026	161	150	688	83	0	789
Semnan.....	2439	589	124	108	825	75	0	719
Sistan & Baluchestan	1671	135	13	23	17	0	0	1482
Fars	14410	2538	548	303	2398	219	1657	6746
Qazvin	4860	1093	232	154	1255	137	0	1989
Qom	2598	892	179	180	455	52	0	839
Kordestan	3423	1617	191	189	166	104	13	1142
Kerman	9265	1221	187	241	3235	47	0	4335
Kermanshah	4893	1478	302	158	478	57	572	1849
Kohgiluyeh & Boyerahmad	762	419	93	44	144	15	0	46
Golestan	3477	1376	253	129	298	251	0	1169
Gilan.....	6984	2628	359	255	532	265	0	2945
Lorestan.....	2519	1238	147	129	358	94	12	541
Mazandaran.....	8030	4118	413	350	698	471	0	1979
Markazi	6870	1298	191	166	2547	193	376	2099
Hormozgan.....	8924	8	60	4	3610	5	0	5237
Hamedan	3846	1663	180	207	659	120	0	1017
Yazd	7681	823	128	150	3899	399	0	2281

Source: Ministry of Oil.

7.12. LIQUEFIED GAS DELIVERED BY REFINERIES FOR DISTRIBUTION ⁽¹⁾ (1000 tons)

Year	Total	Abadan	Arak	Esfahan	Bandar Abbas	Tabriz	Tehran	Shiraz	Kermanshah	Reservation centres
1385	1489	295	189	392	201	101	234	54	23	0
1390	1847	438	231	452	241	119	287	58	21	0
1395	2174	508	593	393	239	109	271	49	12	0
1396	2112	472	569	378	246	77	314	42	14	0
1397	2028	315	658	358	237	87	317	40	15	0
1398	2079	379	638	431	180	109	287	40	15	0
1399	1979	372	504	442	166	129	318	32	16	0
1400	1901	281	624	387	182	111	267	37	12	0

1. Excluding total delivery of liquefied gas for Lavan and Setare Khalij Fars (Persian Gulf) Refinery.

Source: Ministry of Oil.

7.13. TOTAL PRODUCTION OF NATIONAL PETROCHEMICAL COMPANY ⁽¹⁾ BY PRODUCTS CATEGORY (1000 tons)

Products category	Year							
	1385	1390	1395	1396	1397	1398	1399	1400
Total	18000	43408	50630	53639	53352	55494	61151	65313
Polymers.....	1396	4192	6130	6887	6811	7295	7811	7927
Chemicals.....	5178	18145	21207	22650	23319	24816	27817	28355
Aromatics.....	1241	2687	2955	2633	2983	3385	3424	3048
Fuel	5787	14203	15026	15612	13807	13739	15260	18878
Fertilizers and pesticides.....	4398	4181	5312	5856	6433	6259	6838	7105

1. Including internal consumption of the complexes.

Source: Ministry of Oil.

7.14. QUANTITY AND VALUE OF NPC'S DOMESTIC SALES BY PRODUCTS CATEGORY (1000 tons; bln rials)

Products category	Year							
	1385 ⁽¹⁾		1390 ⁽¹⁾		1395 ⁽¹⁾		1396 ⁽¹⁾	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	4819	20609	5634	61648	7444	167618	8354	207591
Polymers.....	1061	9649	2432	38524	3039	114448	3212	138774
Chemicals.....	1204	4352	1534	12237	1598	26517	2499	39493
Aromatics.....	439	4111	193	2706	289	8483	298	11045
fuel	362	1296	536	4590	305	3509	264	4093
Fertilizers and pesticides....	1752	1201	940	3591	2214	14661	2081	14187

Products category	Year							
	1397		1398		1399		1400	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	8378	392652	8444	564438	9834	1058708	10243	1908165
Polymers.....	3439	259382	3545	372133	3586	687586	3661	1155229
Chemicals.....	1755	65247	1892	97948	1971	148207	1951	279202
Aromatics	410	23410	479	41443	617	73708	389	91646
Fuel.....	396	15915	338	17884	812	62470	1447	190724
Fertilizers and pesticides .	2379	28697	2191	35029	2848	86737	2796	191365

1. Excluding inter-complexe sales.

Source: Ministry of Oil.

7.15. QUANTITY AND VALUE OF NPC'S EXPORTS BY PRODUCTS CATEGORY⁽¹⁾ (1000 tons; mln dollars)

Products category	Year							
	1385		1390 ⁽¹⁾		1395		1396	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	6013	3320	18193	14707	21154	9952	22406	11952
Polymers	340	415	1623	2575	3142	3425	3805	4112
Chemicals.....	2217	899	7147	4257	6859	2355	6785	2798
Aromatics	445	461	930	1366	884	741	490	463
Fuel	3011	1545	5970	5488	7037	2781	7780	3793
Fertilizers and pesticides	0	0	2524	1022	3231	650	3545	786

Products category	Year							
	1397		1398		1399		1400	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	20519	11336	22337	9468	24360	8824	25479	14806
Polymers	3290	3664	3942	3292	4258	3841	4196	5105
Chemicals.....	7086	2980	8347	2256	9941	2022	10167	3538
Aromatics	655	512	776	576	899	459	566	464
Fuel	5768	3287	5089	2500	5353	1689	6692	4093
Fertilizers and pesticides	3719	893	4182	845	3909	814	3859	1606

1. Figures were revised due to changes in definition of the products.

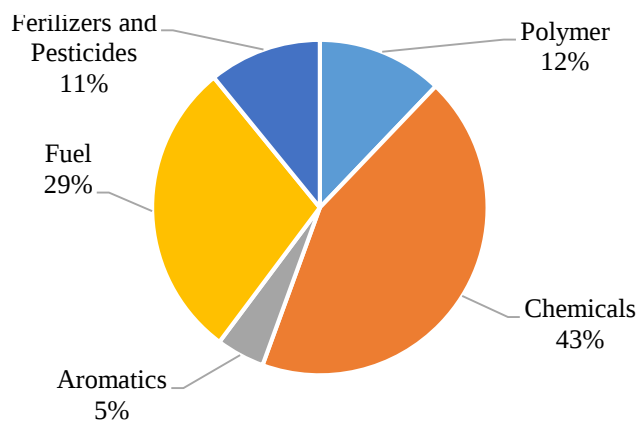
Source: Ministry of Oil.

7.16. NUMBER OF ACTIVE FUEL STATIONS AND NOZZLES OF FUEL PRODUCTS

Year and Ostan	Active fuel stations	Nozzles			Kerosene sales stations	GNG fuel stations
		Regular Gasoline	Super Gasoline	Gasoil		
1396.....	3829	31878	5211	12455	7474	2169
1397.....	3932	32822	5538	12863	6695	2204
1398.....	4104	34344	5872	13397	5965	2232
1399.....	4211	35335	5997	13782	5064	2242
1400.....	4315	36014	5966	14098	4519	2268
East Azarbayejan.....	177	1609	327	679	121	166
West Azarbayejan	199	1358	190	609	333	133
Ardebil	78	606	67	232	65	69
Esfahan	338	2435	475	1116	88	154
Alborz	76	865	251	154	45	52
Ilam	51	285	22	160	52	23
Bushehr	79	712	146	293	32	35
Tehran	372	5156	1432	742	44	192
Chaharmahal & Bakhtiari	57	403	52	222	80	40
South Khorasan	97	479	29	262	186	25
Khorasan-e-Razavi.....	258	2398	392	908	364	176
North Khorasan	54	379	58	170	56	32
Khuzestan	223	1995	246	930	97	110
Zanjan	65	548	32	254	79	41
Semnan.....	85	597	24	364	60	44
Sistan & Baluchestan	125	1084	20	666	730	2
Fars	315	2479	288	1108	388	132
Qazvin	91	721	60	289	109	58
Qom	64	613	106	262	26	41
Kordestan	85	551	49	226	141	53
Kerman	284	1854	98	928	390	78
Kermanshah	128	834	52	403	230	76
Kohgiluyeh & Boyerahmad	35	342	30	104	153	29
Golestan	78	591	144	249	85	59
Gilan.....	127	1274	328	321	82	94
Lorestan.....	91	722	53	301	147	49
Mazandaran.....	192	1881	552	394	164	123
Markazi	98	720	40	392	28	67
Hormozgan.....	181	1042	84	678	59	20
Hamedan	101	739	16	357	22	48
Yazd	111	742	303	325	63	47

Source: Ministry of Oil.

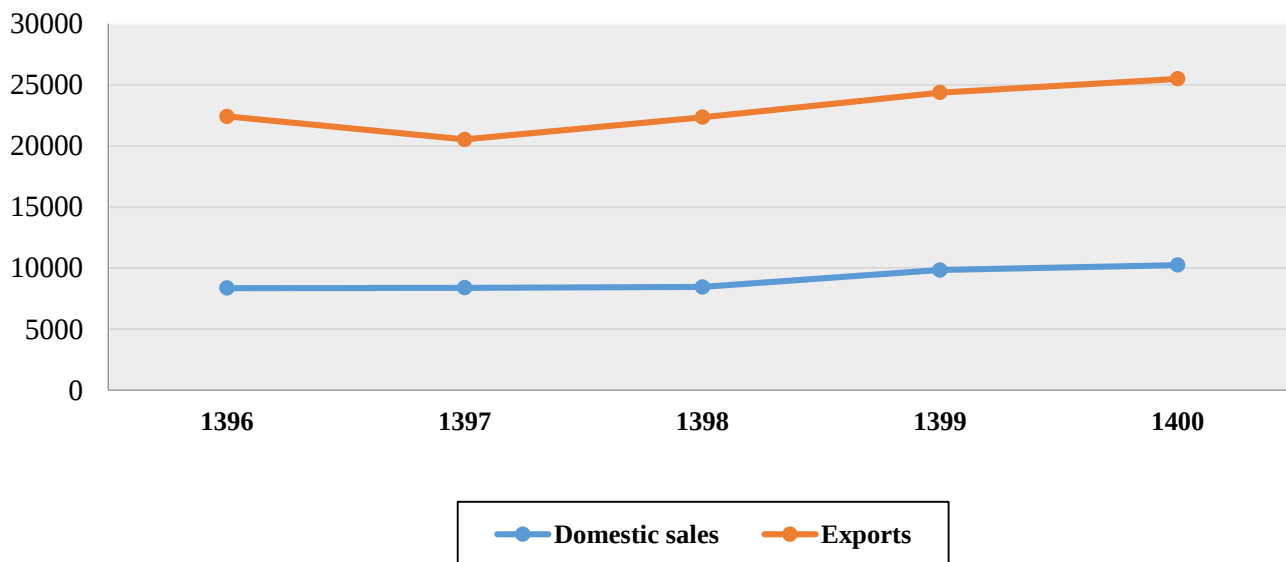
7.4. TOTAL PRODUCTION OF NATIONAL PETROCHEMICAL COMPANY BY PRODUCTS CATEGORY, THE YEAR 1400



For data see Table 7.13.

7.5. VOLUME OF DOMESTIC SALES AND EXPORTS BY THE NATIONAL PETROCHEMICAL COMPANY

1000 tons



For data see Table 7.14. & 7.15.