

Introduction

Since oil, gas, and petrochemical industries play a vital role in Iran's economy, the statistical data on them are not included in chapters dedicated to mining and manufacturing but they 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 of Iran in Masjed Soleyman (southwestern Iran) in the year 1287 (1908) on which data are available. After nationalizing oil industry in Iran in 1951, Iran National Oil Company has published wider range of related statistics. In the First Iran Statistical Yearbook, the published (oil) statistics are for the year 1334(1955).

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 the starting point for the establishment of an independent organization-for introduction of a new industry in the country. The newly established industry has continued its activities under the name of National Petrochemical Company since 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 in Iran.

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: Includes hydrocarbon products with chains of 10 to 14 carbon atoms and maximum boiling temperature of 275 degrees Celsius. This product is used as fuel for generating light and heat and as fuel for old and commercial cook stoves.

Fuel oil: Please see “*Definitions and concepts*” of Capter 2- Environment.

Gas oil: Please see “*Definitions and concepts*” of Capter 2- Environment.

Motor spirit: This is a mixture of light liquid petroleum hydrocarbons mainly with a limit of 5 to 12 carbon atoms and a distillation (temperature) range of 38 to 205 degrees Celsius, which is sold as engine fuel in automobiles on the market in three types of super motor spirit, Euro and regular motor spirit.

Jet fuel: This is used as engine fuel for fighter jets and passenger aircrafts. 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 which is converted into this type after the processes of separation and extraction of liquids and gas condensates according to the standards of the National Iranian Gas Company.

Liquefied gas: This is a mixture of gases (mainly composed of propane and butane) which is used as

1. Organization of Petroleum Exporting Countries.

2. Jet Propellant

3. Aviation Turbine Kerosene.

fuel in home appliances, automobiles and cooling systems.

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, a supply and/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, butadiene, butene-1 and methanol

(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, hydrochloric(choloridric) 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, ortho-xylene, 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.

Selected information

In the year 1401, the refining capacity of crude oil in refineries in Iran was 813,220 thousand barrels, which has decreased by 2.8% compared to the previous year.

In the year 1401, a number of 1228 Shars (cities) and 37418 villages in the country were supplied with gas, and 26 Shars (cities) and 3304 villages were being supplied with gas.

The total amount of production of the National Petrochemical Company stood at 69,731 thousand tons in the year 1401 with an increase of 6.8 percent compared to the previous year. Of this amount, 12,063 thousand tons worth 28,43,646 billion rials related to domestic sales, which increased by 17.8 and 49.0 percent, respectively; compared to the previous year. Moreover, the amount of 27,579 thousand tons worth 16,024 million US dollars has been exported, which has increased by 8.2 percent and 8.2 percent in amount and value respectively, compared to the previous year.

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

Refinery	Year							
	1385	1390	1395 ⁽¹⁾	1397	1398	1399 ⁽¹⁾	1400	1401
Total	561735	632180	677832	763580	791320	793488	791320	813220
Abadan.....	142350	142350	142740	142350	142350	142740	142350	131400
Arak	62050	91250	91500	91250	91250	91500	91250	91250
Esfahan	103660	103660	103944	103660	131400	131760	131400	131400
Bandar Abbas	84680	116800	117120	116800	116800	117120	116800	116800
Tabriz.....	40150	40150	40260	40150	40150	40260	40150	40150
Tehran.....	91250	91250	91500	91250	91250	91500	91250	91250
Shiraz.....	20440	20440	20496	20440	20440	20496	20440	20440
Kermanshah	8030	8030	8052	8030	8030	8052	8030	8030
Lavan (distillation complex).....	9125	18250	18300	18250	18250	18300	18250	18250
Gas condensate of Persian Gulf Star	×	×	43920	131400	131400	131760	131400	164250

1. The years 1395 and 1399 were leap years.

Source: Ministry of Oil.

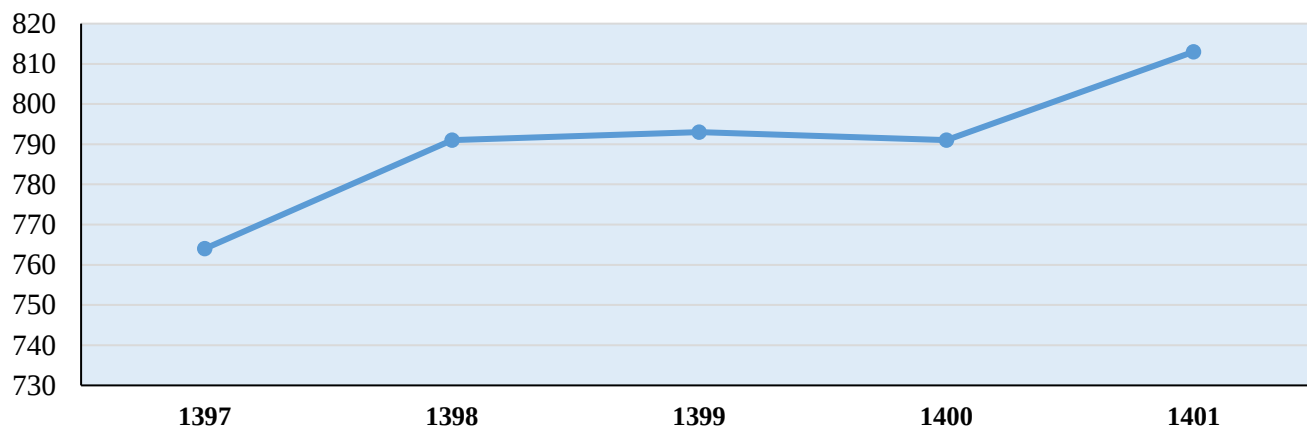
7.2. DIRECT EXPORT OF CRUDE OIL AND OIL PRODUCTS

Description	Year							
	1385	1390	1395	1397	1398	1399	1400	1401
Crude oil (1000 barrels).....	887881	741939	777714	000	000	000	000	000
Oil products (mln lit/day)	42	14	23	000	000	000	000	000

Source: Ministry of Oil.

7.1. CRUDE OIL REFINING CAPACITY IN DOMESTIC REFINERIES

Million barrels



For data see Table 7.1.

7.3. AVERAGE PRODUCTION OF DIFFERENT TYPES OF OIL PRODUCTS IN REFINERIES

(cu m/day)

Product	Year							
	1385	1390	1395	1397	1398	1399	1400	1401
Total	257313 ⁽¹⁾	000	000	000	000	000	000	000
Liquefied gas	8016	10120	9068	000	000	000	000	000
Motor spirit	44664	54820	62177	000	000	000	000	000
Kerosene	21048	20199	20710	000	000	000	000	000
Gas oil	80473	80352	80339	000	000	000	000	000
Fuel oil	76205	65643	69942	000	000	000	000	000
Jet fuels	3600	000	000	000	000	000	000	000
Lubricants	000	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

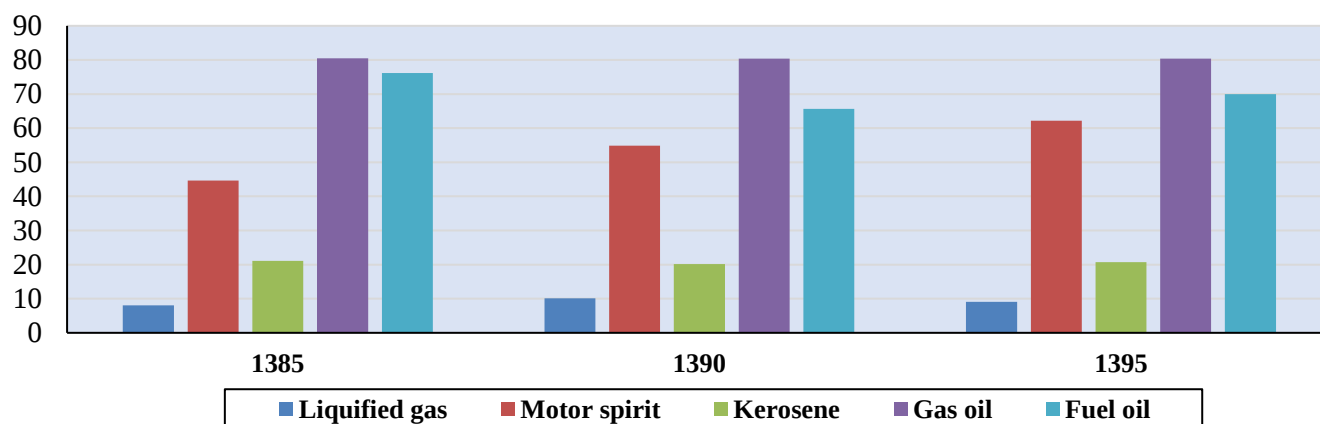
1. Motor spirit includes basic gasoline, MTBE, super gasoline consumption etc.; however, MTBE and super gasoline consumption are not included in the total.

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	1397	1398	1399	1400	1401
Motor spirit ⁽¹⁾	26887	20884	25762	000	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	000	000	000	000	000
Gas oil.....	31471	29427	28131	000	000	000	000	000
Fuel oil	15644	19909	19747	000	000	000	000	000
Motor and industrial lubricants	000	000	000	000	000	000	000	000
Bitumen	4202 ⁽²⁾	000	000	000	000	000	000	000
Liquefied gas	3922	2739	1839	000	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.

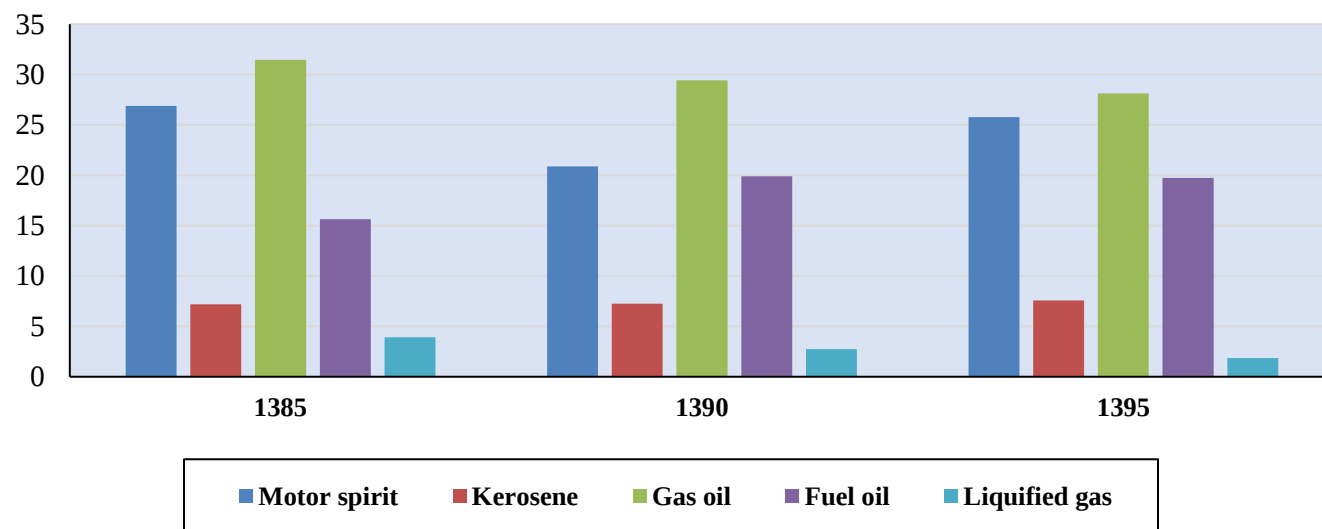
7.5. IMPORTS OF OIL PRODUCTS BY TYPE**(mln litre)**

Product	Year							
	1385	1390	1395	1397	1398	1399	1400	1401
Total	11897	000	000	000	000	000	000	000
Motor spirit	10038	000	3067	000	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	1397	1398	1398	1400	1401
Total	39185	37249	38024	44012	49709	40971	46966	51273
Pipelines	25194	21854	22145	25002	28965	24057	29818	31310
Railway	2547	1661	2505	2890	3489	3403	2975	2807
Road vehicles	8995	7844	11947	14566	14720	11471	11322	13951
Tankers	2449	5890	1427	1554	2535	2040	2851	3205

Source: Ministry of Oil.

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

Resource	Year							
	1385	1390	1395	1397	1398	1399	1400	1401
Total	464	631	779	000	000	000	000	000
Associated gas	98	104	97	000	000	000	000	000
Cap gas	34	30	28	000	000	000	000	000
Gas of independent gas fields	333	497	655	000	000	000	000	000

Source: Ministry of Oil.

7.8. CITIES SUPPLIED⁽¹⁾ OR BEING SUPPLIED WITH PIPED GAS AND HOUSEHOLDS COVERED 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	0
1395	1123	17932245	25
1397	1177	18067454	50
1398	1192	18087721	43
1399	1215	18218295	28
1400	1221	18230210	29
1401	1228	18244686	26
East Azarbayejan	67	890557	0
West Azarbayejan.....	46	637783	0
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	1
North Khorasan.....	22	143175	0
Khuzestan	83	986703	0
Zanjan	21	217688	0
Semnan	20	169707	0
Sistan&Baluchestan.....	5	215008	11
Fars	107	1026919	3
Qazvin.....	25	295019	0
Qom	6	365334	0
Kordestan.....	31	337871	1
Kerman	69	547539	2
Kermanshah	31	440861	1
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 shahrs (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 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
1397.....	28814	4561313	4174
1398.....	31236	4713119	3960
1399.....	34149	4893540	2632
1400.....	35575	4960038	2952
1401.....	37418	5041655	3304
East Azarbayejan.....	2463	330046	87
West Azarbayejan	1570	230626	574
Ardebil	1506	117576	39
Esfahan.....	1067	182247	7
Alborz	242	64390	50
Ilam	555	48393	32
Bushehr	490	84017	7
Tehran	515	203377	19
Chaharmahal & Bakhtiari	544	86759	48
South Khorasan	1715	94082	217
Khorasan-e-Razavi.....	2614	515170	187
North Khorasan	757	110454	52
Khuzestan.....	2229	272201	208
Zanjan	635	97073	118
Semnan.....	296	39884	12
Sistan & Baluchestan	18	8248	57
Fars.....	2398	388544	90
Qazvin	593	91837	78
Qom.....	160	17537	0
Kordestan	1573	131069	71
Kerman.....	1818	224036	576
Kermanshah	1985	121270	236
Kohgiluyeh & Boyerahmad	1018	75742	131
Golestan	939	240042	13
Gilan.....	2121	304226	30
Lorestan.....	2180	163478	195
Mazandaran.....	2577	440042	104
Markazi	1019	105390	2
Hormozgan.....	58	14182	34
Hamedan	1047	192170	3
Yazd.....	716	47547	27

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
1397.....	11602173	23335595	21639647	000
1398.....	11955733	24844430	23124583	000
1399.....	12334291	25832303	24030000	000
1400 ⁽⁵⁾	12675812	26952268	24758021	4522
1401.....	13018215	28359044	25912913	4647
East Azarbayejan.....	710224	1808696	1556879	349
West Azarbayejan	506275	1164477	1033762	248
Ardebil	260398	572207	513065	147
Esfahan	1247238	2090405	1923995	327
Alborz	293665	966773	887089	100
Ilam	122931	212097	200873	44
Bushehr	227922	281574	275560	68
Tehran	1216909	4062685	3667464	449
Chaharmahal & Bakhtiari	199476	393262	358777	80
South Khorasan.....	191812	344173	317867	47
Khorasan-e-Razavi.....	1054967	2713900	2487742	355
North Khorasan	186552	371802	335620	69
Khuzestan	724858	1244104	1207462	236
Zanjan	204797	414797	370856	94
Semnan.....	145752	337697	298430	82
Sistan & Baluchestan	93242	129189	126949	5
Fars	925130	1732751	1625425	250
Qazvin	211755	541614	490600	139
Qom	183426	459936	422374	82
Kordestan	292226	640198	586019	101
Kerman	526920	794050	744816	156
Kermanshah	292170	685040	637409	145
Kohgiluyeh & Boyerahmad	138889	226057	214917	53
Golestan	315404	693329	638901	131
Gilan.....	635501	1255238	1132614	182
Lorestan.....	289440	617135	578289	91
Mazandaran.....	856364	1701645	1551715	254
Markazi	308404	623002	565995	133
Hormozgan.....	48561	30302	29259	39
Hamedan	329556	713546	651441	95
Yazd	277451	537363	480749	96

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
1397.....	1580747	115201	000	000	000
1398.....	1595372	124475	000	000	000
1399.....	1669802	132501	000	000	000
1400 ⁽⁵⁾	2034761	101393	53085	43	443
1401.....	2256390	116639	67928	47	480
East Azarbayejan.....	238011	9909	3528	2	18
West Azarbayejan	127307	2190	955	4	11
Ardebil	55786	1971	1232	0	6
Esfahan	143978	13674	8383	4	44
Alborz	74317	4138	1114	0	15
Ilam	10093	530	552	2	3
Bushehr	5329	273	326	4	14
Tehran	368291	21493	4928	0	60
Chaharmahal & Bakhtiari	31751	1627	1023	1	3
South Khorasan	24327	759	1171	0	2
Khorasan-e-Razavi.....	212501	9844	3434	0	24
North Khorasan	34801	746	555	1	10
Khuzestan	34078	1144	1165	6	13
Zanjan	40951	2072	802	1	21
Semnan.....	34067	3984	1120	0	14
Sistan & Baluchestan	2150	80	0	0	5
Fars	100665	3647	2732	4	28
Qazvin	46569	2902	1383	0	21
Qom	32913	3671	885	0	11
Kordestan	51239	1418	1415	1	5
Kerman	45533	2277	1252	0	16
Kermanshah	45186	1424	865	5	6
Kohgiluyeh & Boyerahmad	10329	431	323	0	4
Golestan	49830	1211	3247	0	9
Gilan.....	113529	4746	4158	0	9
Lorestan.....	36315	1301	1127	2	10
Mazandaran.....	130877	7373	11391	0	35
Markazi	49566	4742	2553	4	9
Hormozgan.....	767	107	119	0	11
Hamedan	57199	3356	1444	2	9
Yazd	48135	3599	4746	4	34

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.

5. Revised figures

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.....	144512	43888	6244	6599	37053	616	10919	39193
1395.....	181315	50340	7650	7587	35103	1968	16983	61684
1397.....	199073	52199	7595	7846	40879	2599	18402	69553
1398.....	204222	57554	7576	8331	43959	3287	20495	63020
1399 ⁽¹⁾	221337	61667	8115	7795	48013	3689	23204	68854
1400 ⁽¹⁾	229699	60788	8668	8710	47330	4507	24135	75561
1401.....	231882	62465	8616	9329	48340	4971	22923	75237
East Azarbayejan.....	10432	4145	745	751	2187	231	171	2202
West Azarbayejan	6715	3225	575	413	832	102	35	1534
Ardebil	3225	1270	235	185	250	96	0	1188
Esfahan	21636	4864	585	632	8627	628	83	6216
Alborz	6255	2540	266	315	827	73	0	2234
Ilam	867	327	52	45	110	37	295	1
Bushehr	17879	147	70	30	657	24	12265	4685
Tehran	25870	11962	873	2399	3580	502	0	6554
Chaharmahal & Bakhtiyari .	2495	942	104	113	590	59	685	1
South Khorasan	1846	502	65	72	440	58	0	709
Khorasan-e-Razavi.....	13693	5328	780	894	2613	251	0	3828
North Khorasan	3048	749	107	107	408	36	446	1196
Khuzestan	20280	1100	351	122	4408	54	6317	7928
Zanjan	3231	1081	168	163	694	88	0	1038
Semnan.....	2424	590	138	117	771	83	0	725
Sistan & Baluchestan	1668	173	17	32	42	0	0	1404
Fars	14666	2735	564	345	2429	263	1644	6687
Qazvin	4588	1135	239	163	1238	148	0	1665
Qom	2715	882	191	194	471	56	0	921
Kordestan	3598	1756	192	206	158	112	14	1162
Kerman	9272	1291	187	273	3138	50	0	4333
Kermanshah	5111	1575	310	175	511	65	562	1912
Kohgiluyeh & Boyerahmad	817	475	94	53	146	19	0	31
Golestan	3548	1433	253	136	293	277	0	1157
Gilan.....	6926	2679	345	273	510	274	0	2846
Lorestan.....	2690	1354	151	146	367	89	14	569
Mazandaran.....	7665	4170	389	394	649	514	0	1549
Markazi	6795	1364	195	180	2718	217	391	1730
Hormozgan.....	9333	11	59	7	3884	5	0	5368
Hamedan	4146	1779	185	228	663	141	2	1148
Yazd	8449	882	131	169	4128	420	0	2719

*1. Revised figures**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
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
1401	1885	301	574	396	196	98	271	39	10	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 BY PRODUCTS CATEGORY (1000 tons)

Products category	Year							
	1385	1390	1395	1397	1398	1399	1400	1401
Total	18000	43408	50630	53352	55494	61151	65313	69731
Polymers.....	1396	4192	6130	6811	7295	7811	7927	8101
Chemicals.....	5178	18145	21207	23319	24816	27817	28355	28220
Aromatics	1241	2687	2955	2983	3385	3424	3048	2787
Fuel	5787	14203	15026	13807	13739	15260	18878	23066
Fertilizers and pesticides	4398	4181	5312	6433	6259	6838	7105	7556

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		1390		1395		1397	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	4819	20609	5634	61648	7444	167618	8378	392652
Polymers.....	1061	9649	2432	38524	3039	114448	3439	259382
Basic chemicals.....	1204	4352	1534	12237	1598	26517	1755	65247
Aromatics.....	439	4111	193	2706	289	8483	410	23410
Feedstock and fuel	362	1296	536	4590	305	3509	396	15915
Fertilizers and pesticides....	1752	1201	940	3591	2214	14661	2379	28697

Products category	Year							
	1398		1399		1400		1401	
	Quantity	Value	Quantity	Value	Value	Quantity	Quantity	Value
Total	8444	564438	9834	1058708	10243	1908165	12063	2843646
Polymers.....	3545	372133	3586	687586	3661	1155229	4337	1449160
Basic chemicals.....	1892	97948	1971	148207	1951	279202	2189	419718
Aromatics	479	41443	617	73708	389	91646	345	96296
Feedstock and fuel.....	338	17884	812	62470	1447	190724	2635	590772
Fertilizers and pesticides	2191	35029	2848	86737	2796	191365	2558	287700

Source: Ministry of Oil.

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

Products category	Year							
	1385		1390		1395		1397	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	6013	3320	18193	14707	21154	9952	20519	11336
Polymers.....	340	415	1623	2575	3142	3425	3290	3664
Basic chemicals	2217	899	7147	4257	6859	2355	7086	2980
Aromatics	445	461	930	1366	884	741	655	512
Feedstock and fuel	3011	1545	5970	5488	7037	2781	5768	3287
Fertilizers and pesticides	0	0	2524	1022	3231	650	3719	893

Products category	Year							
	1398		1399		1400		1401	
	Quantity	Value	Quantity	Quantity	Value	Quantity	Value	Quantity
Total	22337	9468	24360	8824	25479	14806	27579	16024
Polymers.....	3942	3292	4258	3841	4196	5105	3569	3828
Basic chemicals	8347	2256	9941	2022	10167	3538	9707	3226
Aromatics	776	576	899	459	566	464	485	480
Feedstock and fuel.....	5089	2500	5353	1689	6692	4093	8881	5996
Fertilizers and pesticides	4182	845	3909	814	3859	1606	4936	2493

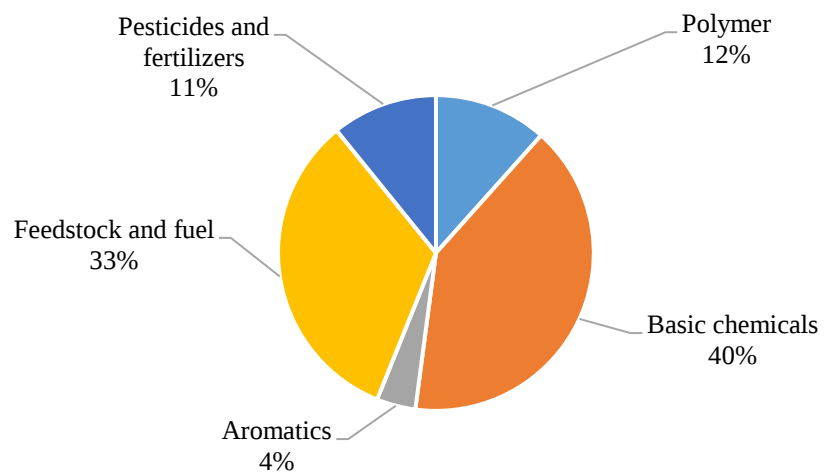
Source: Ministry of Oil.

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

Year and Ostan	Active fuel stations	Nozzles			Kerosene sales stations	CNG fuel stations
		Regular Gasoline	Super Gasoline	Gasoil		
1397.....	3932	32822	5538	12863	6695	2100
1398.....	4104	34344	5872	13397	5965	2121
1399.....	4211	35335	5997	13782	5064	2131
1400.....	4315	36014	5966	14098	4519	2140
1401.....	4345	37156	5997	14433	4365	2168
East Azarbayejan.....	174	1689	332	696	118	161
West Azarbayejan	207	1390	188	627	388	132
Ardebil	77	619	67	241	57	68
Esfahan	341	2482	482	1152	90	149
Alborz	77	942	255	165	44	50
Ilam	54	298	26	171	42	23
Bushehr	81	725	146	307	31	34
Tehran	334	5231	1418	749	43	159
Chaharmahal & Bakhtiyari	56	410	50	225	77	40
South Khorasan.....	95	493	29	268	160	25
Khorasan-e-Razavi.....	262	2499	398	927	328	160
North Khorasan.....	54	391	58	176	71	29
Khuzestan	232	2039	247	932	93	100
Zanjan	65	567	32	256	74	40
Semnan.....	85	626	30	385	63	43
Sistan & Baluchestan	133	1128	20	674	732	3
Fars	330	2639	310	1163	368	127
Qazvin	95	746	60	298	96	59
Qom	69	637	106	272	5	42
Kordestan	89	573	45	232	117	51
Kerman	283	1932	98	945	399	74
Kermanshah	134	851	58	399	202	76
Kohgiluyeh & Boyerahmad	38	334	30	104	148	29
Golestan	82	601	145	251	84	58
Gilan.....	134	1299	324	318	79	93
Lorestan.....	96	758	55	323	132	49
Mazandaran.....	197	1935	547	396	168	121
Markazi	98	740	40	398	26	61
Hormozgan.....	161	1066	88	688	59	19
Hamedan	104	769	18	368	23	46
Yazd	108	747	295	327	48	47

Source: Ministry of Oil.

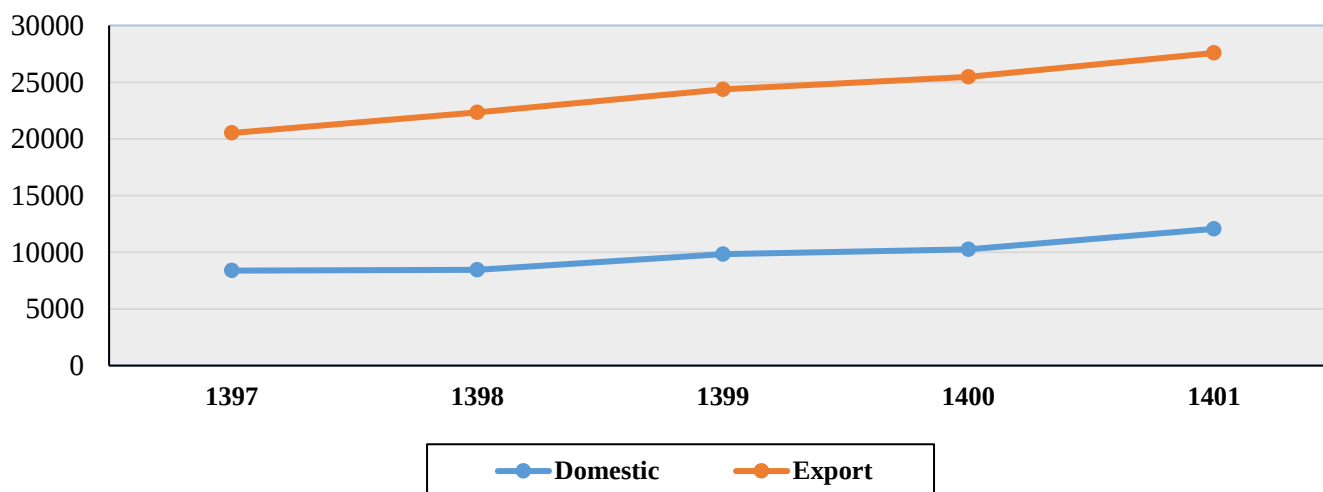
7.4. TOTAL PRODUCTION OF NATIONAL PETROCHEMICAL COMPANY BY PRODUCTS CATEGORY, THE YEAR 1401



For data see Table 7.13.

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

1000 tons



For data see Tables 7.14 and 7.15.