

## 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 to existence by the exploitation of gas and oil from the first oil well in Masjed Soleyman (south-western Iran) in the year 1287 (1908) on which some data are available.

After nationalization of the oil industry in the Month of Esfand of the year 1329, the National Iranian Oil Company (NIOC) managed to release some more data. The data furnished by the NIOC for the year 1334(1955) were reflected in the first statistical yearbook of Iran.

Also, the National Iranian Gas Company (NIGC), established in the year 1344, 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 installation 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 abundant resources of oil and gas available in the country, high value-added of the industry, and some other factors, production of chemicals and petrochemicals has received great attention.

The statistics appearing in this chapter are currently provided by Deputy for Planning and Supervision of hydrocarbon resources of the ministry of oil.

For additional information, provided by the Organization of the Petroleum Exporting Countries<sup>1</sup> (OPEC), see Chapter 24 (International Statistics)

### Definitions and concepts

**Crude oil:** a mixture of hydrocarbons that is extracted from natural underground reservoirs in some regions in the world. Crude petroleum mainly consists of saturated and unsaturated aliphatic hydrocarbons and some aromatic materials. In addition to hydrogen and carbon

that are the main constituents of oil, it contains nitrogen, oxygen, sulphur, and metals such as nickel, sodium, vanadium and iron as well. As a result of the changes in the amount of these elements, crude oil is much diversified physically and chemically.

**Burning oil:** consisting of paraffin, petroleum and aromatic hydrocarbons, this product is used as heating and thermal power generation fuel and is one of the main constituents of jet fuel.

**Fuel oil:** a residual substance obtained from the distillation of crude oil in refineries. Because of its heavy hydrocarbon content, this product does not burn easily. It is one of the main fuels for ships and large manufacturing establishments including power generation plants.

**Gas oil:** obtained from the separation of burning oil from crude petroleum, this product is used as fuel for agricultural and industrial machinery and public transport vehicles and for thermal installations.

**Motor spirit:** a mixture of isomerized and circular hydrocarbons with different concentrations, to which certain organic compounds are added for easy burning.

**Jet fuel:** is used as engines fuel for fighter and passenger aircrafts. It is produced in different types in terms of mixture of high quality burning oil and other light oil products(Naphtha) with some additives to prevent rusting, reduce the risk of icing, etc. In international standards, it is known as JP4 and ATK.

**Enriched gas (Natural gas):** gas obtained from oil and gas reservoirs, available as associated gas (such as gas extracted from Aghajari gas field), non-associated gas (such as Sarakhs and Sarkhun gas) or gas cap gas.

**Sweet gas:** enriched (natural) gas obtained from further refining, that is, separation of liquids and gaseous impurities from enriched gas.

**Liquefied gas:** a mixture of normal butane and propane, the proportion of which changes under environmental conditions and utilization and becomes liquid under a pressure of 100-110 pounds on square inch.

**Gas injection:** gas and/or water injected into oil reservoir for optimum utilization and preservation of resources.

1. Organization of the Petroleum Exporting Countries.

**Gas customer:** the natural or legal person whose characteristics have been registered and who has been given a customer number after his/her submission of required documents and payment of related costs based on a formal procedure for admission of natural gas applicant.

**Gas consumer:** the person who consumes gas after subscription and operations of gas supply.

**Gas extension:** the lines which have been extended from transmission, feeding and network lines into the customer's private station.

**Polymer:** refers to heavy molecules with high carbon made out of molecules with low carbon in compositions of unsaturated paraffin hydrocarbons. Types of polymer include:

- (a) Major: polyethylenes, PVC, polypropylene, polystyrene, melamine crystal, polyester (PET) and ABS.
- (b) Engineering: polycarbonate and epoxy.
- (c) Rubbers: styrene-butadiene, polybutadiene, rubber.

#### **Chemicals**

- (a) Basics include ethylene, propylene, methanol, butadiene, C4 cut, butene-1.
- (b) Intermediates include ethylene oxide, ethylene glycols, acetic acid, vinyl acetate, EDC, VCM, ethanol amine, 2-ethyl-hexanol and butanols.
- (c) Minerals include light and dense sodium carbonate, sodium bicarbonate, argon, perchlorin, hydrochloric acid, chlorine (liquid), caustic soda, sodium hypochlorite, ammonium nitrate (explosive).

**Aromatics:** are unsaturated cyclic hydrocarbons consisting of one or more benzene rings (a six-carbon ring with three double bonds). Aromatics include benzene, toluene, mixed xylenes, p-xylene, o-xylene, ethyl benzene, monomer styrene and PTA.

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

#### **Fertilizers, pesticides and related materials**

- (a) Fertilizers include urea, ammonium nitrate, diammonium phosphate, ammonium sulphate.
- (b) Pesticides include alachlor, butachlor.
- (c) Related materials include ammonia, nitric acid, phosphoric acid, sulphuric acid, sulphur, chloroacetyl chloride.

#### **Selected information**

In the year 1395, a total of 777714 thousand barrels of crude oil were exported, which shows a 48.6% increase compared to the preceding year. Also in the same year, the amount of oil products exports was 23 mln liters per day with a 17.9% decrease compared to the preceding year.

Furthermore, in the year 1395, the average production of some oil products in the total national refineries by cum/day is: liquefied gas 9068; motor spirit 62177, burning oil 20710 and gas oil 80339 which shows a -10.5, -8.4, 3.2, -8.3 and -3.3 percent change compared to the preceding year, respectively.

In the year 1395, oil gas with the consumption of 28131 thousand cu m per day had the highest share of consumption among all kinds of oil products and motor spirit with 25762 thousand cu m/day was at the second rank.

In the year 1395, the amount of motor spirit imports with a 47.3% increase reached 3067 mln liters compared to the preceding year.

In the year 1395, a number of 1085 cities were supplied with piped gas and 25 cities were being supplied with piped gas.

The total production of the National Company of the Petrochemical Industries with a 9.1% increase compared to the preceding year reached 50624 thousand tons in the year 1395. Out of this amount, 20851 thousand tons valuing 9803 mln US \$ have been exported which increased by 11.7 and 4.3 percent by volume and value, respectively compared to the previous year.

**7.1. CRUDE OIL PRODUCTION CAPACITY****(mln barrels)**

Description	The year 1375	The year 1380	The year 1385	The year 1391	The year 1392	The year 1393	The year 1394	The year 1395
Capacity .....	1417	1533	1561	000	000	000	000	000

*Source: Ministry of Oil.***7.2. CAPACITY OF CRUDE OIL REFINEMENT IN DOMESTIC REFINERIES****(1000 barrels)**

Refinery	The year 1375	The year 1380	The year 1385	The year 1391	The year 1392	The year 1393	The year 1394	The year 1395
<b>Total .....</b>	<b>498296</b>	<b>501510</b>	<b>491655</b>	<b>570130</b>	<b>666125</b>	<b>666125</b>	<b>653350</b>	<b>675980</b>
Abadan .....	143564	000	127750	127750	142350	142350	142350	142350
Arak .....	63035	000	54750	91250	91250	91250	83950	91250
Esfahan .....	130018	000	73000	73000	136875	136875	131400	103660
Bandar Abbas.....	×	000	84680	116800	116800	116800	116800	116800
Tabriz .....	41098	000	40150	40150	40150	40150	40150	40150
Tehran .....	85071	000	80300	80300	91250	91250	91250	91250
Shiraz .....	16256	000	14600	14600	21170	21170	21170	20440
Kermanshah .....	8564	000	9125	8030	8030	8030	8030	8030
Lavan (distillation complex).....	10691	000	7300	18250	18250	18250	18250	18250
Condensate of Persian Gulf Star.....	×	×	×	×	×	×	×	43800

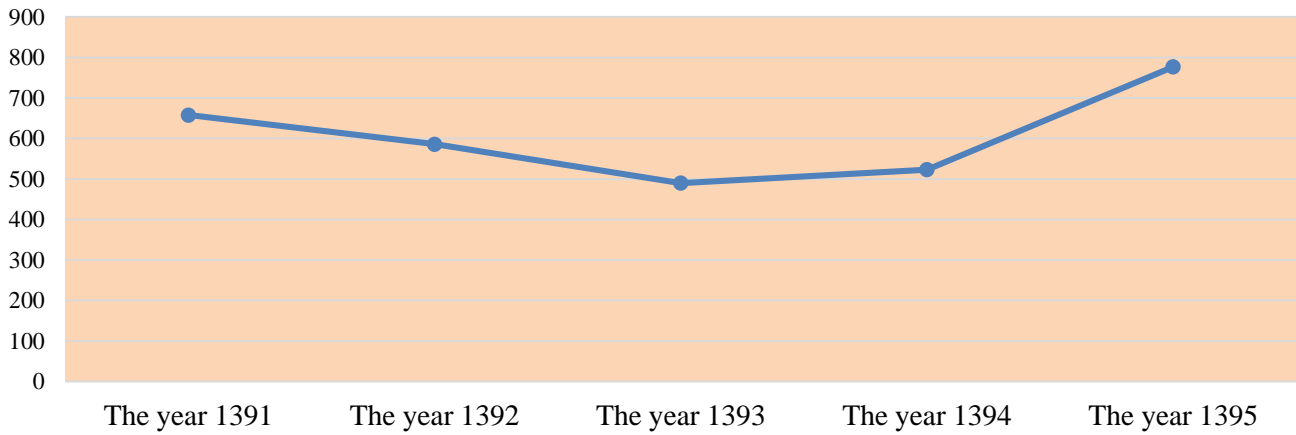
*Source: Ministry of Oil.***7.3. DIRECT EXPORT OF CRUDE OIL AND OIL PRODUCTS**

Description	1375	1380	1385	1391	1392	1393	1394	1395
Crude oil (1000 barrels).....	930006	730000	887881	658132	586081	490086	523392	777714
Oil products (mln lit/day) ..	28	42	42	16	16	19	28	23

*Source: Ministry of Oil.*

### 7.1. DIRECT EXPORTS OF CRUDE OIL

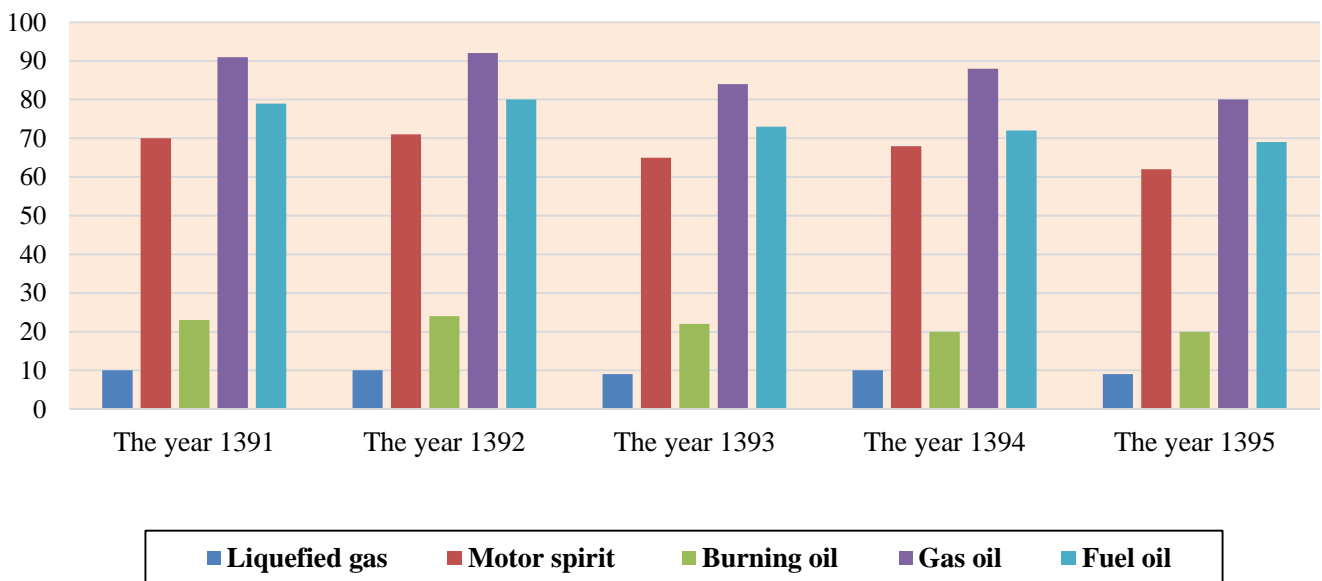
Million barrels



For data see Table 7.3.

### 7.2. SELECTED OIL PRODUCTS OF REFINERIES

1000 cu m / Day



For data see Table 7.4.

**7.4. AVERAGE PRODUCTION OF OIL PRODUCTS TYPES IN REFINERIES (cu m/day)**

Product	The year 1375	The year 1380	The year 1385	The year 1391	The year 1392	The year 1393	The year 1394	The year 1395
<b>Total.....</b>	<b>206752</b>	<b><sup>(1)</sup>245891</b>	<b><sup>(1)</sup>257313</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>
Liquefied gas.....	7341	8298	8016	10303	10367	9476	10135	9068
Motor spirit .....	28321	<sup>(1)</sup> 37128	<sup>(1)</sup> 44664	70183	71216	64888	67872	62177
Burning oil .....	25221	27160	21048	23437	23739	21640	20061	20710
Gas oil .....	57870	70879	80473	91012	91982	83857	87606	80339
Fuel oil .....	68650	80152	76205	79087	80136	73045	72302	69942
Jet fuels .....	2323	3098	3600	000	000	000	000	000
Lubricants.....	1098	1221	000	000	000	000	000	000
Bitumen .....	7593	8284	859	000	000	000	000	000
Other products <sup>(2)</sup> .....	8337	10382	24107	000	000	000	000	000

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

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

Sources: Ministry of Oil.

**7.5. AVERAGE OIL PRODUCTS BY REFINERY****(cu m/da)**

Year and product	Total country	Abadan	Arak	Esfahan	Bandar Abbas
1375.....	206752	61009	25978	53788	×
1380.....	245891	54486	25142	53947	41640
1385.....	257313	57485	28232	56649	42488
1391.....	000	000	000	000	000
1392.....	000	000	000	000	000
1393.....	000	000	000	000	000
1394.....	000	000	000	000	000
<b>1395.....</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>
Liquefied gas .....	000	000	000	000	000
Motor spirit .....	000	000	000	000	000
Burning oil .....	000	000	000	000	000
Gas oil .....	000	000	000	000	000
Fuel oil .....	000	000	000	000	000
Jet fuels .....	000	000	000	000	000
Lubricants .....	000	000	000	000	000
Bitumen .....	000	000	000	000	000
Other products <sup>(1)</sup> .....	000	000	000	000	000

Year and product	Tabriz	Tehran	Shiraz	Kermanshah	Lavan (distillation complex)
1375.....	16944	34509	6510	3563	4451
1380.....	16668	37659	9113	3350	3885
1385.....	17031	38380	8975	3658	4417
1391.....	000	000	000	000	000
1392.....	000	000	000	000	000
1393.....	000	000	000	000	000
1394.....	000	000	000	000	000
<b>1395.....</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>
Liquefied gas .....	000	000	000	000	000
Motor spirit .....	000	000	000	000	000
Burning oil .....	000	000	000	000	000
Gas oil .....	000	000	000	000	000
Fuel oil .....	000	000	000	000	000
Jet fuels .....	000	000	000	000	000
Lubricants .....	000	000	000	000	000
Bitumen .....	000	000	000	000	000
Other products <sup>(1)</sup> .....	000	000	000	000	000

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

Sources: Ministry of Oil.

## 7.6. CONSUMPTION OF OIL PRODUCTS

(1000 cu m)

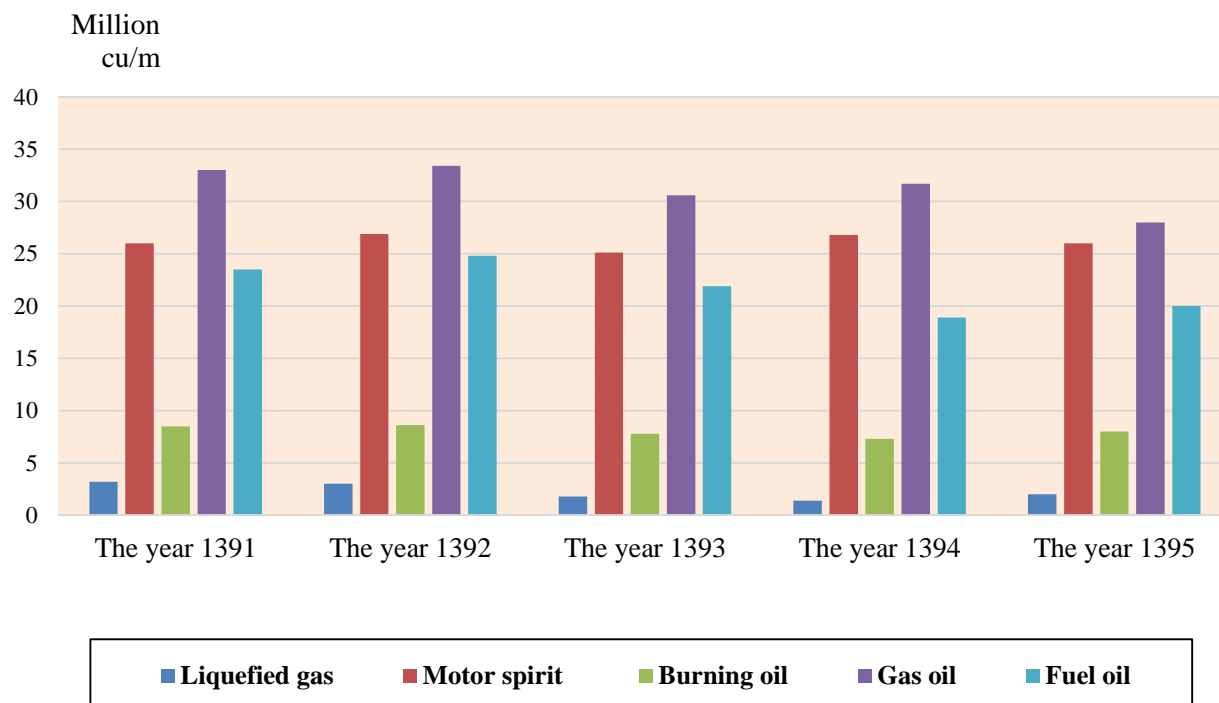
Product	The year 1375	The year 1380	The year 1385	The year 1391	The year 1392	The year 1393	The year 1394	The year 1395
Motor spirit <sup>(1)</sup> .....	12056	16723	26887	26017	26992	25135	26856	25762
Jet fuel G.P.4.....	165	157	99	000	000	000	000	000
Jet fuel A. T. K.....	716	943	1155	000	000	000	000	000
Burning oil .....	11148	8954	7199	8537	8665	7899	7322	7559
Gas oil .....	22873	25215	31471	33097	33428	30683	31794	28131
Fuel oil .....	15580	15245	15644	23516	24862	21920	18939	19747
Lubricants .....	330	390	000	000	000	000	000	000
Bitumen .....	2713	2100	<sup>(2)</sup> 4202	000	000	000	000	000
Liquefied gas .....	3366	4163	3922	3233	3087	1880	1447	1839
Crude lubricants .....	392	351	1668	000	000	000	000	000
Benzine solvents .....	-	12	42	000	000	000	000	000
Naphtha .....	143	2	42	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 tar) as well.

Sources: Ministry of Oil.

## 7.3. CONSUMPTION OF SOME OIL PRODUCTS



For data see Table 7.6.

**7.7. CONSUMPTION OF MAJOR OIL PRODUCTS BY OSTAN, THE YEAR 1395** (cu m)

Ostan	Motor spirit	Burning oil	Gas oil	Fuel oil	Liquefied gas
<b>Total country</b> .....	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>
East Azarbayejan.....	000	000	000	000	000
West Azarbayejan .....	000	000	000	000	000
Ardebil .....	000	000	000	000	000
Esfahan.....	000	000	000	000	000
Alborz .....	000	000	000	000	000
Ilam .....	000	000	000	000	000
Bushehr .....	000	000	000	000	000
Tehran .....	000	000	000	000	000
Chaharmahal&Bakhtiari .....	000	000	000	000	000
South Khorasan .....	000	000	000	000	000
Khorasan-e-Razavi.....	000	000	000	000	000
North Khorasan .....	000	000	000	000	000
Khuzestan.....	000	000	000	000	000
Zanjan .....	000	000	000	000	000
Semnan.....	000	000	000	000	000
Sistan&Baluchestan .....	000	000	000	000	000
Fars.....	000	000	000	000	000
Qazvin .....	000	000	000	000	000
Qom.....	000	000	000	000	000
Kordestan .....	000	000	000	000	000
Kerman.....	000	000	000	000	000
Kermanshah .....	000	000	000	000	000
Kohgiluyeh&Boyerahmad .....	000	000	000	000	000
Golestan .....	000	000	000	000	000
Gilan.....	000	000	000	000	000
Lorestan.....	000	000	000	000	000
Mazandaran.....	000	000	000	000	000
Markazi .....	000	000	000	000	000
Hormozgan.....	000	000	000	000	000
Hamedan .....	000	000	000	000	000
Yazd .....	000	000	000	000	000

Source: Ministry of Oil.



**7.8. IMPORTS OF OIL PRODUCTS BY TYPE****(mln/lit)**

Product	The year 1375	The year 1380	The year 1385	The year 1391	The year 1392	The year 1393	The year 1394	The year 1395
<b>Total .....</b>	<b>4395</b>	<b>2840</b>	<b>11897</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>
Motor spirit .....	988	2840	10038	400	998	1451	2082	3067
Burning oil .....	1976	0	0	0	0	0	0	0
Gas oil .....	1427	0	1858	0	186	122	0	0
Aviation spirit .....	4	0	2	000	000	000	000	000

Sources: Ministry of Oil.

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

Means of transport	The year 1375	The year 1380	The year 1385	The year 1391	The year 1392	The year 1393	The year 1394	The year 1395
<b>Total .....</b>	<b>22809</b>	<b>32429</b>	<b>39185</b>	<b>38618</b>	<b>38354</b>	<b>37192</b>	<b><sup>(1)</sup>36429</b>	<b>38024</b>
Pipelines .....	15347	21056	25194	23773	24496	22485	21359	22145
Railway .....	1804	1977	2547	2233	2557	2082	2069	2505
Road vehicles .....	5643	7893	8995	8885	7717	9565	<sup>(1)</sup> 10754	11947
Tankers .....	<sup>(2)</sup> 15	1503	2449	3727	3584	3060	<sup>(1)</sup> 2247	1427

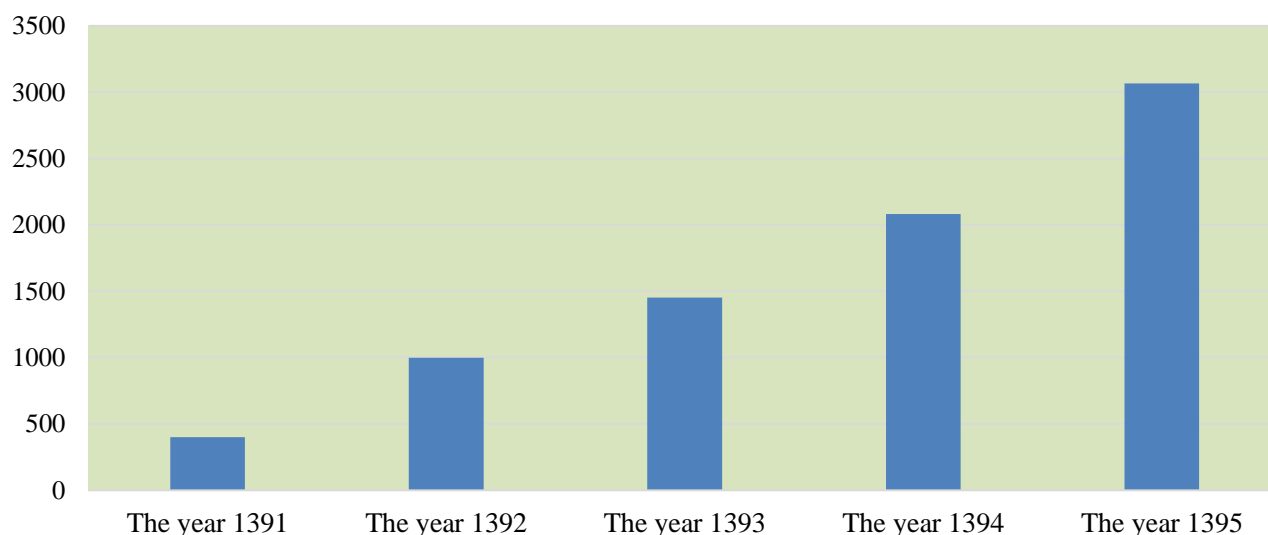
1. Revised figures.

2. Excluding the transport of products by argosy.

Sources: Ministry of Oil.

**7.4. IMPORTED VOLUME OF MOTOR SPIRIT**

Million litres



For data see Table 7.8.

**7.10. PRODUCTION OF ENRICHED GAS BY SOURCE OF PRODUCTION** (mln cu m/day)

Resource	The year 1375	The year 1380	The year 1385	The year 1391	The year 1392	The year 1393	The year 1394	The year 1395
<b>Total.....</b>	<b>234</b>	<b>312</b>	<b>464</b>	<b>622</b>	<b>635</b>	<b>682</b>	<b>719</b>	<b>779</b>
Associated gas.....	83	88	96	77	76	78	77	97
Gas cap gas.....	53	51	38	32	30	29	35	27
Gas of independent gas fields .....	97	172	330	513	528	575	607	655

Source: Ministry of Oil.

**7.11. AVERAGE PRODUCTION OF SWEET GAS BY SOURCE OF PRODUCTION** (mln cu m/day)

Resource	The year 1375	The year 1380	The year 1385	The year 1391	The year 1392	The year 1393	The year 1394	The year 1395
<b>Total.....</b>	<b>166</b>	<b>257</b>	<b>364</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>	<b>000</b>
Associated gas .....	32	37	41	000	000	000	000	000
Gas cap gas.....	45	49	30	000	000	000	000	000
Gas of independent gas fields .....	89	171	293	000	000	000	000	000

Sources: Ministry of Oil.

**7.12. CONSUMPTION OF NATURAL GAS** (mln cu m)

Description	The year 1375	The year 1380	The year 1385	The year 1391	The year 1392	The year 1393	The year 1394	The year 1395
Flared gas .....	12737	000	15851	000	000	000	000	000
Gas delivered to National Iranian Gas Company <sup>(1)</sup> .....	43220	66007	117256	000	000	000	000	000
Gas injection .....	21404	27521	26663	000	000	000	000	000

1. Gas delivered by National Iranian Gas Company includes extraction of ethane and liquefied gas.

Source: Ministry of Oil.

**7.13. CITIES<sup>(1)</sup> SUPPLIED 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 <sup>(2)</sup>		Cities being supplied with piped gas <sup>(3)</sup>
	Number	Number of household	
1375 .....	<sup>(4)</sup> 243	000	69
1380 .....	<sup>(4)</sup> 414	000	79
1385 .....	<sup>(4)</sup> 705	11457949	82
1391 .....	<sup>(4)</sup> 1002	<sup>(4)</sup> 16926979	000
1392 .....	<sup>(4)</sup> 1025	<sup>(4)</sup> 17925615	000
1393 .....	<sup>(4)</sup> 1041	<sup>(4)</sup> 18845340	46
1394 .....	1063	19602000	50
<b>1395 .....</b>	<b>1085</b>	<b>20491231</b>	<b>25</b>
East Azarbayejan.....	62	1244402	0
West Azarbayejan .....	36	759410	2
Ardebil .....	26	290188	0
Esfahan.....	102	1750274	1
Alborz .....	16	1034305	0
Ilam .....	21	102395	0
Bushehr .....	33	110018	0
Tehran .....	47	5154945	2
Chaharmahal&Bakhtiyari .....	38	211897	0
South Khorasan.....	21	136756	4
Khorasan-e-Razavi.....	71	1672659	2
North Khorasan .....	22	180782	1
Khuzestan.....	75	914606	1
Zanjan .....	20	300363	0
Semnan.....	20	254361	0
Sistan&Baluchestan .....	1	9836	0
Fars .....	89	1122091	5
Qazvin .....	23	286520	1
Qom .....	6	456031	0
Kordestan .....	28	275011	0
Kerman.....	45	405206	2
Kermanshah .....	25	445358	0
Kohgiluyeh&Boyerahmad .....	15	122095	0
Golestan .....	29	328750	0
Gilan .....	51	588191	0
Lorestan.....	23	352252	0
Mazandaran.....	50	822634	0
Markazi .....	36	319693	1
Hormozgan.....	5	6051	2
Hamedan .....	29	422468	0
Yazd .....	20	411683	1

1. The number of cities are based on the definitions given by the Ministry of Oil.

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

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

4. Revised figures

Sources: Ministry of Oil.

### 7.14. VILLAGES <sup>(1)</sup>SUPPLIED 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 <sup>(2)</sup>		Villages being supplied with piped gas <sup>(3)</sup>
	Number	Number of household	
1375 .....	<sup>(4)</sup> 126	000	000
1380 .....	<sup>(4)</sup> 393	000	000
1385 .....	<sup>(4)</sup> 4177	000	2250
1391 .....	<sup>(4)</sup> 12206	<sup>(4)</sup> 2735941	<sup>(4)</sup> 4715
1392 .....	<sup>(4)</sup> 14115	<sup>(4)</sup> 3177293	<sup>(4)</sup> 4338
1393 .....	<sup>(4)</sup> 15875	<sup>(4)</sup> 3328142	5024
1394 .....	20408	4000308	5514
<b>1395 .....</b>	<b>23206</b>	<b>4336666</b>	<b>4303</b>
East Azarbayejan.....	1696	343244	184
West Azarbayejan .....	611	125199	460
Ardebil .....	874	94108	248
Esfahan.....	1342	251282	0
Alborz .....	136	72958	7
Ilam .....	261	27134	83
Bushehr .....	315	24650	77
Tehran .....	479	276703	24
Chaharmahal&Bakhtiyari .....	442	89520	31
South Khorasan .....	206	40443	96
Khorasan-e-Razavi.....	1446	386591	559
North Khorasan .....	578	88147	149
Khuzestan.....	1474	198202	326
Zanjan .....	377	66030	168
Semnan.....	221	45368	16
Sistan&Baluchestan .....	3	299	19
Fars.....	1349	195505	202
Qazvin .....	350	75312	159
Qom.....	111	29392	4
Kordestan .....	1059	98675	90
Kerman.....	829	101112	109
Kermanshah .....	709	75857	499
Kohgiluyeh&Boyerahmad .....	572	46076	34
Golestan .....	816	199642	35
Gilan.....	1880	360851	22
Lorestan.....	989	111884	234
Mazandaran.....	1820	552466	337
Markazi .....	937	116111	34
Hormozgan.....	15	502	4
Hamedan .....	988	197348	23
Yazd .....	321	46055	70

1. The number of cities are based on the definitions given by the Ministry of Oil.

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

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

4. Revised figures

Sources: Ministry of Oil.

**7.15. NUMBER OF AVAILABLE GAS EXTENSIONS <sup>(1)</sup>, NATURAL GAS CONSUMERS BY TYPE AND CONSUMPTION AT THE END OF THE YEAR**

Year and Ostan	Extension (number)	Number of natural gas consumers (consumer)				Consumption (mln cu m/year)
		Total	Residential	Commercial	Industrial	
1375 .....	2420738	2905678	2811331	92863	1484	000
1380 .....	3719086	5025658	4828282	194078	3298	<sup>(2)</sup> 62875
1385 .....	6170548	9292175	8839347	439264	13564	<sup>(2)</sup> 100816
1391 .....	8976941	<sup>(2)</sup> 15500221	<sup>(2)</sup> 14514258	<sup>(2)</sup> 922555	<sup>(2)</sup> 63408	<sup>(2)</sup> 142942
1392 .....	9431324	<sup>(2)</sup> 17511076	<sup>(2)</sup> 16412249	<sup>(2)</sup> 1020610	<sup>(2)</sup> 78217	<sup>(2)</sup> 147191
1393 .....	9818230	18771822	17586332	1112590	72900	<sup>(2)</sup> 168009
1394 .....	10295219	20066718	18776808	1208313	81597	<sup>(2)</sup> 175818
<b>1395 .....</b>	<b>10721161</b>	<b>21118327</b>	<b>19757786</b>	<b>1274686</b>	<b>85855</b>	<b>184287.3</b>
East Azarbayejan.....	617709	1435327	1276150	151837	7340	8667.9
West Azarbayejan .....	369767	821575	745132	75528	915	5480.3
Ardebil .....	209542	424611	390542	32779	1290	2493.6
Esfahan .....	1031898	1689895	1599133	80849	9913	17142.1
Alborz .....	264584	762175	707236	51651	3288	000
Ilam .....	86138	127651	123195	4108	348	521.2
Bushehr .....	159370	130251	128010	1848	393	12211.6
Tehran .....	1236651	3070956	2831604	228870	10482	28344.8
Chaharmahal&Bakhtiari	175451	291922	272431	18379	1112	1183.3
South Khorasan.....	99901	194147	183847	9979	321	1347.3
Khorasan-e-Razavi.....	849745	2044298	1905947	126629	11722	11990.3
North Khorasan.....	146923	262343	242865	18961	517	2656.9
Khuzestan .....	624451	914901	893814	20483	604	16456.2
Zanjan .....	162125	296858	275859	19986	1013	2196.6
Semnan.....	136413	267775	245274	20475	2026	2250.2
Sistan&Baluchestan .....	11119	10231	10034	197	0	759.0
Fars .....	699758	1271208	1212041	53721	5446	11064.6
Qazvin .....	182195	376733	348527	25706	2500	4868.2
Qom .....	164492	372623	357007	13321	2295	2525.4
Kordestan .....	233356	459365	431593	25874	1898	2640.2
Kerman .....	335940	536624	517948	18087	589	6448.1
Kermanshah .....	230365	516735	490889	23839	2007	3564.0
Kohgiluyeh&Boyerahmad	104221	152996	147531	5026	439	538.6
Golestan .....	270947	514878	493329	19946	1603	2702.1
Gilan.....	554621	960407	897251	59872	3284	6138.6
Lorestan.....	228501	485342	464661	19962	719	1571.0
Mazandaran.....	714588	1236119	1166702	63083	6334	7502.8
Markazi .....	281868	522938	486882	31630	4426	5958.3
Hormozgan.....	8442	7454	7043	238	173	5459.1
Hamedan .....	311526	564376	532546	30749	1081	3432.7
Yazd .....	218554	395613	372763	21073	1777	6172.5

1. Including extensions not yet utilized.

2. Revised figures.

Source: Ministry of Oil.

**7.16. LIQUEFIED GAS DELIVERED BY REFINERIES FOR DISTRIBUTION (1000 tons)**

Year	Total	Abadan	Arak	Esfahan	Bandar Abbas	Tabriz	Tehran	Shiraz	Kermanshah	Reservation centres
1375 .....	1829	312	173	492	×	130	257	47	28	389
1380 .....	1395	310	175	442	235	134	23	49	26	0
1385 .....	1489	295	189	392	201	101	234	54	23	0
1391 <sup>(1)</sup> .....	1828	363	277	427	254	120	302	53	17	0
1392 <sup>(1)</sup> .....	1988	273	542	399	273	116	304	56	17	0
1393 <sup>(1)</sup> .....	2042	293	599	403	282	94	295	50	20	0
1394 <sup>(1)</sup> .....	2182	425	550	449	256	114	296	49	14	0
<b>1395<sup>(1)</sup>.....</b>	<b>2182</b>	<b>508</b>	<b>593</b>	<b>393</b>	<b>239</b>	<b>117</b>	<b>271</b>	<b>49</b>	<b>12</b>	<b>0</b>

1. Including total delivery of liquefied gas for Lavan Refinery.

Source: Ministry of Oil.

**7.17. TOTAL PRODUCTION<sup>(1)</sup> OF NATIONAL PETROCHEMICAL COMPANY BY MAIN CATEGORIES (1000 tons)**

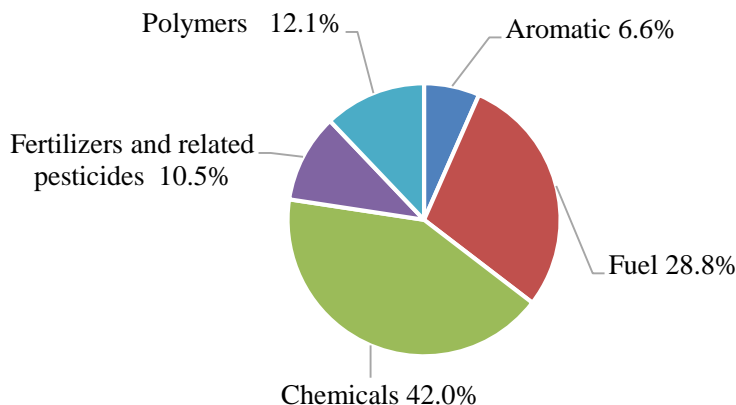
Category	The year 1375	The year 1380	The year 1385	The year 1391	The year 1392	The year 1393	The year 1394	The year 1395
<b>Total .....</b>	<b>10007</b>	<b>12543</b>	<b>(2)18000</b>	<b>41063</b>	<b>40574</b>	<b>44511</b>	<b>46408</b>	<b>50624</b>
Polymers .....	594	780	1396	4637	4923	5325	5708	6133
Chemicals.....	2262	3070	5178	12933	13097	14782	15458	21266
Aromatics.....	407	1032	1241	3323	3390	3086	2825	3343
Hydrocarbons.....	2293	2911	5787	11734	11471	12622	13680	<sup>(3)</sup> 14569
Fertilizers, pesticides and related materials .....	4451	4750	4398	8436	7693	8696	8737	5312

1. Including internal consumption of petrochemical complexes.

2. Including existing complexes and three entrusted complexes, Arak, Esfahan and Khark

3. Including hydrocarbon and feeds.

Source: Ministry of Oil.

**7.5. TOTAL PRODUCTION OF NATIONAL PETROCHEMICAL COMPANY BY CATEGORIES OF PRODUCTS, THE YEAR 1395**

For data see Table 7.17.

**7.18. QUANTITY AND VALUE OF NPC'S DOMESTIC SALES BY MAIN CATEGORIES**  
(1000 tons; blnrrials)

Category	The year 1375		The year 1380		The year 1385		The year 1391	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
<b>Total</b> .....	<b>3140</b>	<b>2117</b>	<b>4180</b>	<b>6053</b>	<sup>(1)</sup> <b>6066</b>	<sup>(1)</sup> <b>26520</b>	<b>13273</b>	<b>174777</b>
Polymers.....	434	1029	741	3300	1063	9681	2424	65633
Chemicals.....	389	394	580	1016	1018	5033	3642	38978
Aromatics.....	95	114	248	512	497	4539	1003	19626
Hydrocarbons.....	425	136	501	316	1554	6003	4277	43365
Fertilizers, pesticides and related materials.....	1797	444	2110	909	1934	1264	1927	7175

Category	The year 1392		The year 1393		The year 1394		The year 1395	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
<b>Total</b> .....	<b>14525</b>	<b>313766</b>	<b>16332</b>	<b>333489</b>	<b>13420</b>	<b>231178</b>	<b>16204</b>	<b>297826</b>
Polymers.....	2610	97331	2655	108964	2450	87832	2882	111794
Chemicals.....	704	22308	4400	79551	4090	69279	5200	90798
Aromatics.....	3620	72307	1176	35567	940	19979	1104	28233
Hydrocarbons.....	5735	111215	5831	92847	3820	38539	<sup>(2)</sup> 4814	<sup>(2)</sup> 52411
Fertilizers, pesticides and related materials.....	1856	10605	2270	16559	2120	15548	2204	14590

1. Including existing complexes and three entrusted complexes, Arak, Esfahan and Khark

2. Including hydrocarbon and feeds.

Source: Ministry of Oil.

### 7.19. QUANTITY AND VALUE OF NPC'S EXPORTS BY CATEGORIES OF PRODUCTS (1000 tons; mln dollars)

Category	The year 1375		The year 1380		The year 1385		The year 1391	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
<b>Total</b> .....	<b>2656</b>	<b>507</b>	<b>4011</b>	<b>795</b>	<sup>(1)</sup> <b>6044</b>	<sup>(1)</sup> <b>3299</b>	<b>15757</b>	<b>12061</b>
Polymers .....	128	70	142	73	360	429	1937	2499
Chemicals.....	332	93	651	118	1687	774	4357	2138
Aromatics .....	175	48	385	117	440	454	270	389
Hydrocarbons .....	1255	235	2010	442	3010	1545	5432	5181
Fertilizers, pesticides and related materials .....	766	61	823	45	547	97	3761	1851

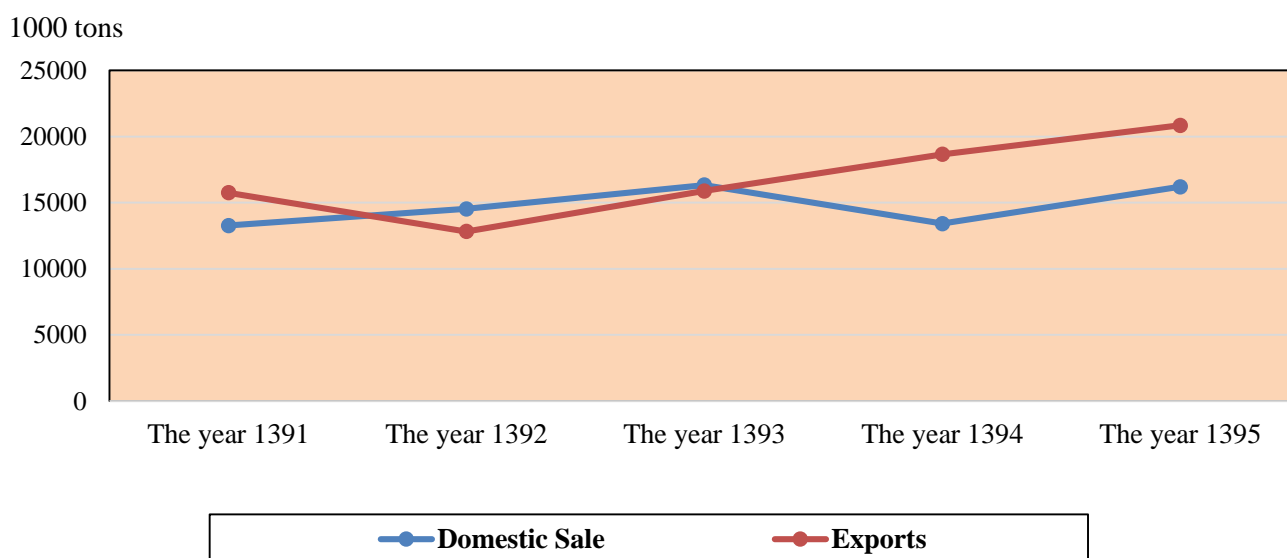
Category	The year 1392		The year 1393		The year 1394		The year 1395	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
<b>Total</b> .....	<b>12827</b>	<b>9869</b>	<b>15886</b>	<b>10273</b>	<b>18660</b>	<b>9400</b>	<b>20851</b>	<b>9803</b>
Polymers .....	2488	3509	2511	3293	2594	3340	3125	3413
Chemicals.....	3727	2046	5009	1992	5724	2050	6864	2357
Aromatics .....	247	341	952	1112	1164	910	884	742
Hydrocarbons .....	3180	2942	3785	2646	5324	2020	6746 <sup>(2)</sup>	2642 <sup>(2)</sup>
Fertilizers, pesticides and related materials .....	3185	1031	3629	1230	3854	1080	3231	650

1. Including existing complexes and three entrusted complexes, Arak, Esfahan and Khark

2. Including hydrocarbon and feeds.

Source: Ministry of Oil.

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



For data see Tables 7.18. & 7.19.