

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 data are available. After the 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 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 is worth mentioning, in addition to the statistics in this chapter, some statistics about oil and gas appeared in Chapter 24 (International Statistics) which is provided by the Organization of the Petroleum Exporting Countries (OPEC)¹.

Definitions and concepts

Crude oil: is a complicated mixture of hydrocarbons that are extracted from natural underground reservoirs in some regions in the world. Crude petroleum mainly consists of saturated and unsaturated aliphatic hydrocarbons

1) *Organization of Petroleum Exporting Countries*

2) *Jet Propellant*

3) *Aviation Turbine Kerosene*

and some aromatic materials. In addition to hydrogen and carbon that are the main constituents of oil, it also 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, the physical and chemical properties of crude oil is very variant.

Kerosene: is part of crude 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: is 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: is a product obtained from the separation of kerosene from crude petroleum, this product is used as fuel for agricultural and industrial machinery and public transport vehicles and for thermal installations.

Motor spirit: is 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 engine fuel for fighter 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 prevent rusting, reduce the risk of icing, etc. In international standards, it is known as JP4² and ATK³.

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

Sweet gas: enriched (natural) gas is turned into sweet gas after separation and refinement The

separation means the separation of liquids and gaseous impurities from enriched gas.

Liquefied gas: is a mixture of normal butane and propane, the proportion of which changes under million dollars has been exported, which increased by 22.0 percent and decreased by 9.0 percent, respectively compared to the previous year.

Environmental conditions and utilization and becomes liquid under a pressure of about 100-110 pounds per square inch.

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

Gas customer: is the natural or legal person who can receive natural gas from gas distribution network.

Gas consumer: is the customers whose gas connection is made after passing the stages of the subscription.

Gas extension: refers to 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 the polymer include:

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

Chemicals: They are categorized into organic (containing carbon) and non-organic (without carbon) materials based on the materials used in their production.

- (a) Basics: They include ethylene, propylene, methanol, butadiene, C4 cut, butene-1.
- (b) Intermediates: They include ethylene oxide, ethylene glycols, acetic acid, vinyl acetate, EDC, VCM, ethanol amine, 2-ethyl-hexanol and butanols.
- (c) Minerals: They include heavy and light sodium carbonate, argon, perchlorine,

chloridric acid, liquid chlorine, caustic soda, Sodium hypochlorite and explosive ammonium nitrate.

Aromatics: Aromatic hydrocarbons are cyclic unsaturated hydrocarbons that contain one or more benzene rings (a 6-carbon ring with 3 double bonds in the ring). Aromatics include benzene, toluene, xylene mixtures, paraxylene, orthosylene, ethyl benzene, meno-styrene, and PTA.

Fuel: includes 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.
- (d) Minerals include light and dense sodium carbonate, sodium bicarbonate, argon, perchlorin, hydrochloric acid, chlorine (liquid), caustic soda, sodium hypochlorite, ammonium nitrate (explosive).

Selected information

In the year 1399, a total of 793488 thousand barrels of crude oil were exported, which shows a 9% increase compared to the preceding year.

In the year 1399, a number of 1215 cities and 34149 villages were supplied with piped gas, and 28 cities and 2632 villages were being supplied with piped gas.

The total production of the National Company of the Petrochemical Industries with a 10% increase stood at 61155 thousand tons in the year 1399 compared to the preceding year (the year 1398). Out of this amount 9834 thousand tons valued at 1058708 billion rials are related to the domestic sale which increased by 8.0 and 56.0 percent, respectively compared to the previous year. Also, 24360 thousand tons valued at 8824 million dollars were exported, amount of which increased 22 percent in amount and 9 percent decreased in value respectively.

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

Refinery	Year								
	1380	1385	1390 ⁽¹⁾	1394	1395 ^(1,2)	1396 ⁽¹⁾	1397	1398	1399
Total	556260	556260	623055	623055	677832	675980	763580	791320	793488
Abadan	142350	142350	142350	142350	142740	142350	142350	142350	142740
Arak.....	63875	63875	91250	91250	91500	91250	91250	91250	91500
Esfahan.....	103660	103660	103660	103660	103944	103660	103660	131400	131760
Bandar Abbas.....	84680	84680	116800	116800	117120	116800	116800	116800	117120
Tabriz	40150	40150	40150	40150	40260	40150	40150	40150	40260
Tehran	82125	82125	82125	82125	91500	91250	91250	91250	91500
Shiraz	20440	20440	20440	20440	20496	20440	20440	20440	20496
Kermanshah	8030	8030	8030	8030	8052	8030	8030	8030	8052
Lavan (distillation complex)	10950	10950	18250	18250	18300	18250	18250	18250	18300
Gas condensate of Persian Gulf Star	×	×	×	×	43920	43800	131400	131400	131760

1. Revised figures.

2. The year 1395 was a leap year.

Source: Ministry of Oil.

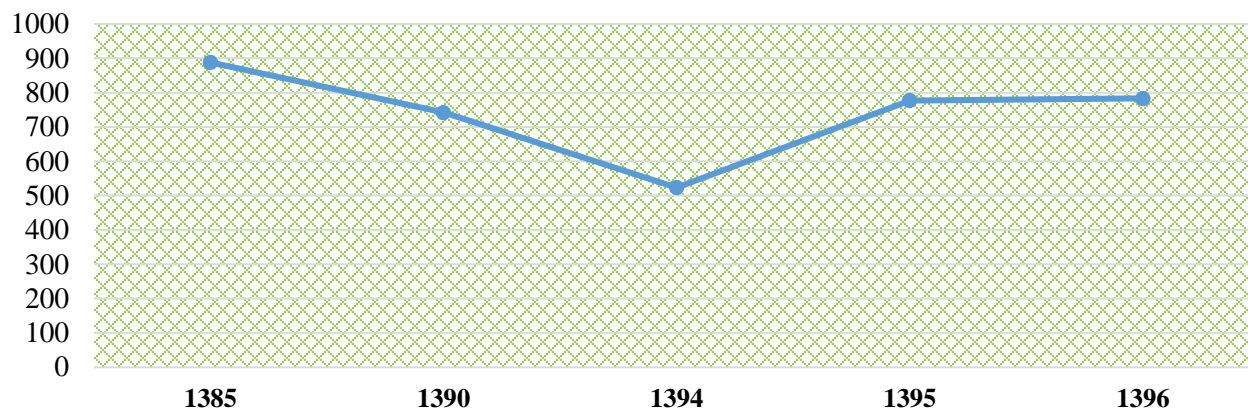
7.2. DIRECT EXPORT OF CRUDE OIL AND OIL PRODUCTS

Description	Year								
	1380	1385	1390	1394	1395	1396	1397	1398	1399
Crude oil (1000 barrels).....	730000	887881	741939	523392	777714	782880	000	000	000
Oil products (mln lit/day)	42	42	14	28	23	41	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)

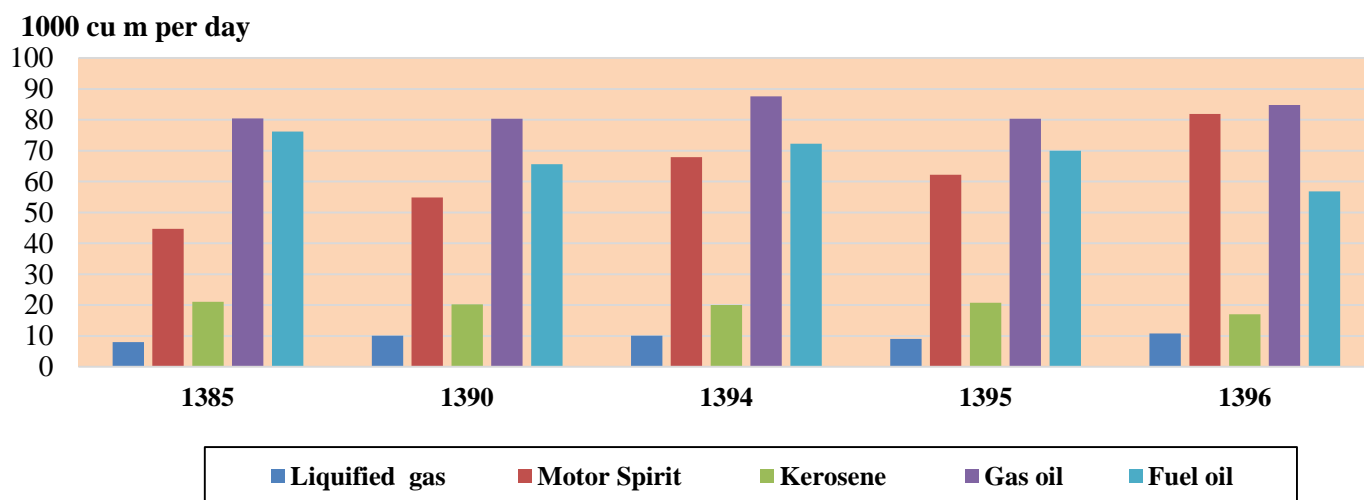
Product	Year								
	1380	1385	1390	1394	1395	1396	1397	1398	1399
Total	245891⁽¹⁾	257313⁽¹⁾	000	000	000	000	000	000	000
Liquefied gas.....	8298	8016	10120	10135	9068	10774	000	000	000
Motor spirit	37128 ⁽¹⁾	44664 ⁽¹⁾	54820	67872	62177	81911	000	000	000
Kerosene.....	27160	21048	20199	20061	20710	17035	000	000	000
Gas oil	70879	80473	80352	87606	80339	84795	000	000	000
Fuel oil	80152	76205	65643	72302	69942	56853	000	000	000
Jet fuels	3098	3600	000	000	000	000	000	000	000
Lubricants.....	1221	0	000	000	000	000	000	000	000
Bitumen.....	8284	859	000	000	000	000	000	000	000
Other products ⁽²⁾	10382	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



For data see Table 7.3.

7.4. CONSUMPTION OF OIL PRODUCTS

(1000 cu m)

Product	Year								
	1380	1385	1390	1394	1395	1396	1397	1398	1399
Motor spirit ⁽¹⁾	16723	26887	20884	26856	25762	34317	000	000	000
Jet fuel G.P.4	157	99	000	000	000	000	000	000	000
Jet fuel A. T. K	943	1155	000	000	000	000	000	000	000
Kerosene	8954	7199	7257	7322	7559	6218	000	000	000
Gas oil.....	25215	31471	29427	31794	28131	29102	000	000	000
Fuel oil	15245	15644	19909	18939	19747	9593	000	000	000
Lubricants	390	000	000	000	000	000	000	000	000
Bitumen	2100 ⁽²⁾	4202 ⁽²⁾	000	000	000	000	000	000	000
Liquefied gas	4163	3922	2739	1447	1839	2079	000	000	000
Crude lubricants.....	351	1668	000	000	000	000	000	000	000
Benzinc solvents	12	42	000	000	000	000	000	000	000
Napht Solvents.....	2	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)**

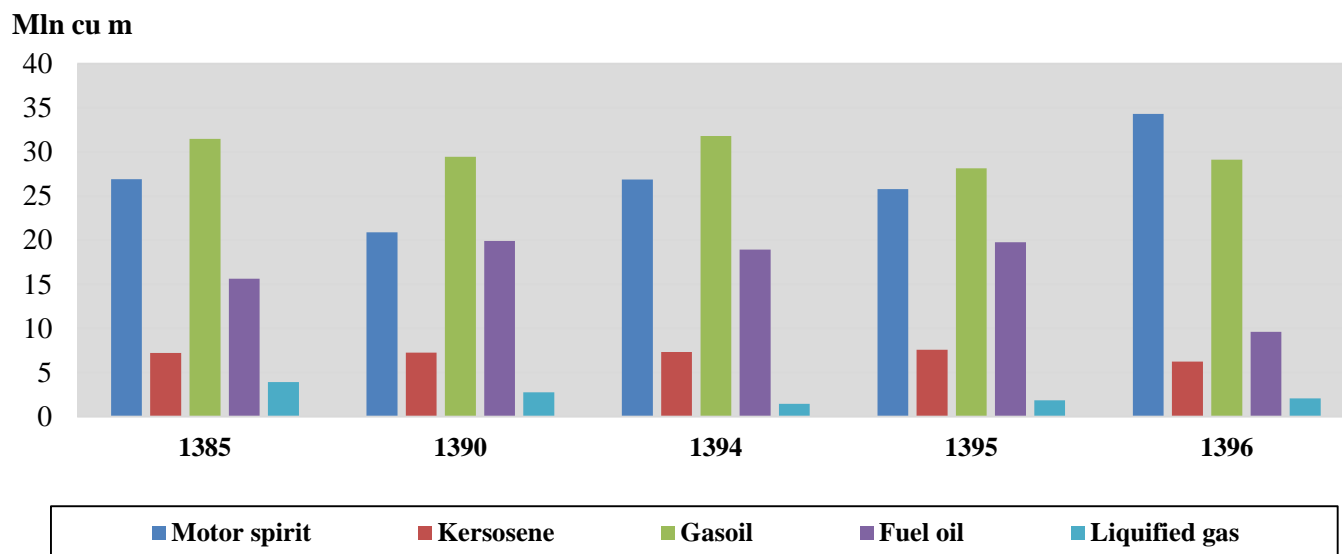
Product	Year								
	1380	1385	1390	1394	1395	1396	1397	1398	1399
Total	2840	11897	000	000	000	000	000	000	000
Motor spirit	2840	10038	000	2082	3067	4419	000	000	000
Kerosene.....	000	000	000	000	000	000	000	000	000
Gas oil	000	1858	000	000	000	000	000	000	000
Aircraft gasoline.....	000	2	000	000	000	000	000	000	000

*Source: Ministry of Oil.***7.6. TRANSPORTED OIL PRODUCTS BY MEANS OF TRANSPORT****(mln ton kms)**

Means of transport	Year								
	1380	1385	1390	1394	1395	1396	1397	1398	1398
Total	32397	39185	37249	36429	38024	42749	44012	49709	40971
Pipelines	21024	25194	21854	21359	22145	26432	25002	28965	24057
Railway	1977	2547	1661	2069	2505	2168	2890	3489	3403
Road vehicles	7893	8995	7844	10754	11947	13196	14566	14720	11471
Tankers	1503	2449	5890	2247	1427	953	1554	2535	2040

Source: Ministry of Oil.

7.3. CONSUMPTION OF SOME OIL PRODUCTS



For data see table 7.4.

7.7. AVERAGE PRODUCTION OF ENRICHED GAS BY SOURCE OF PRODUCTION

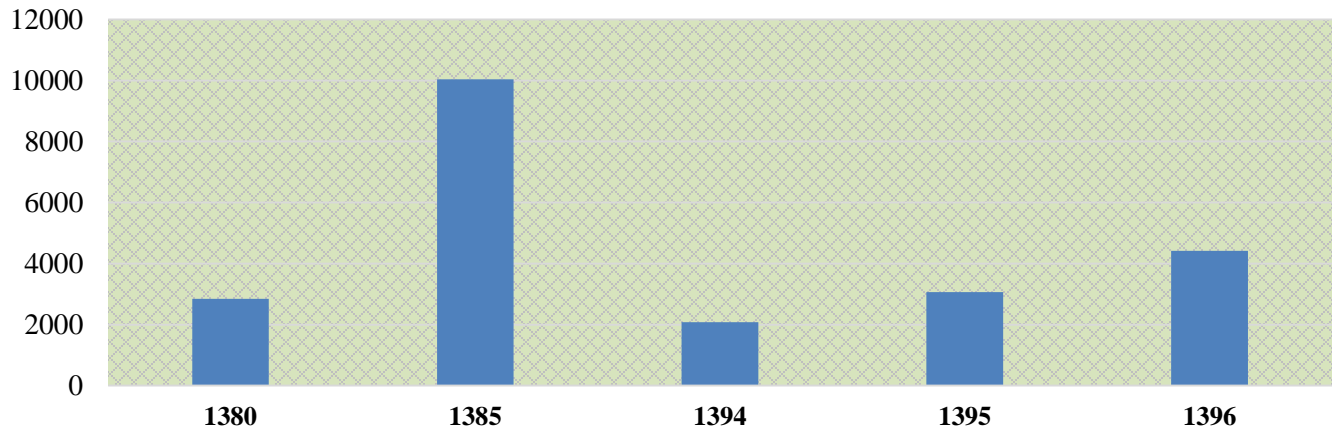
(mln cu m/day)

Resource	Year									
	1380	1385	1390	1394	1395	1396	1397	1398	1399	
Total	312	464	631	715	779	845	000	000	000	
Associated gas.....	88	98	104	77	97	102	000	000	000	
Cap gas.....	51	34	30	29	28	28	000	000	000	
Gas of independent gas fields	172	333	497	609	655	715	000	000	000	

Source: Ministry of Oil.

7.4. VOLUME OF IMPRTEED MOTOR SPIRIT

Million liters



For data see Table 7.5.

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	
1380.....	380	13842345	79
1385.....	694	16406766	82
1390.....	998	17512239	0
1394.....	1102	17723919	50
1395.....	1123	17932245	25
1396.....	1153	17969177	47
1397.....	1177	18067454	50
1398.....	1192	18087721	43
1399.....	1215	18218295	28
East Azarbayejan.....	67	890557	0
West Azarbayejan	44	633846	1
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	5
Fars.....	105	1023014	5
Qazvin	25	295019	0
Qom.....	6	365334	0
Kordestan	31	337871	0
Kerman.....	65	535572	5
Kermanshah	29	438658	3
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.....	7	124695	5
Hamedan	31	346041	0
Yazd	21	290630	0

1. The number of cities are based on the definitions provided 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.

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	
1380.....	416	212071	000
1385.....	4344	1527073	2294
1390.....	12196	2901337	4715
1394.....	19901	3795070	5514
1395.....	22929	4071715	4303
1396 ⁽⁴⁾	25607	4297835	5120
1397.....	28814	4561313	4174
1398 ⁽⁴⁾	31236	4713119	3960
1399.....	34149	4893540	2632
East Azarbayejan.....	2260	325796	186
West Azarbayejan.....	1535	233074	219
Ardebil.....	1409	115094	87
Esfahan.....	1067	182240	7
Alborz.....	182	60389	46
Ilam.....	488	46866	5
Bushehr.....	453	83040	8
Tehran.....	497	201445	35
Chaharmahal & Bakhtiari.....	522	85900	25
South Khorasan.....	1327	85828	183
Khorasan-e-Razavi.....	2450	501949	162
North Khorasan.....	741	110064	2
Khuzestan.....	2057	264318	125
Zanjan.....	626	96573	21
Semnan.....	281	39498	5
Sistan & Baluchestan.....	13	6458	14
Fars.....	2207	371285	78
Qazvin.....	560	89734	19
Qom.....	160	17537	0
Kordestan.....	1392	125459	42
Kerman.....	1429	189649	301
Kermanshah.....	1680	110198	331
Kohgiluyeh & Boyerahmad.....	879	72509	165
Golestan.....	894	237468	13
Gilan.....	2080	301075	70
Lorestan.....	1881	153844	192
Mazandaran.....	2361	434134	184
Markazi.....	1007	105141	4
Hormozgan.....	43	9479	17
Hamedan.....	1036	192032	2
Yazd.....	632	45464	84

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.

4. Revised figures.

Source: Ministry of Oil.

7.10. NUMBER OF AVAILABLE GAS EXTENSIONS ⁽¹⁾ NATURAL GAS CONSUMERS BY TYPE AND CONSUMPTION AMOUNT 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-Public	Industrial	
1380.....	3724769	5007481	4796531	206902	4048	62255
1385.....	6170548	9244178	8736507	485278	22393	103375
1390.....	8729783	14782893	13795904	924283	62706	144517
1394.....	10334849	20368351	19016618	1260889	90844	173422
1395.....	10721161	21118327	19620388	1395697	102242	184287
1396.....	11215035	22228640	20684528	1438035	106077	192318
1397.....	11602173	23335595	21639647	1580747	115201	200260
1398.....	11955733	24844430	23124583	1595372	124475	204649
1399.....	12334291	25832303	24030000	1669802	132501	222856
East Azarbayejan.....	680342	1662457	1466517	187293	8647	10968
West Azarbayejan	472010	1033804	929057	102662	2085	6279
Ardebil	247025	521749	478463	41723	1563	3070
Esfahan	1220686	2348389	2207763	128633	11993	21189
Alborz	279669	896820	830649	61860	4311	5807
Ilam	111943	183472	175911	6862	699	802
Bushehr	216615	234635	230129	4057	449	17437
Tehran	1191550	3571585	3301575	251926	18084	26438
Chaharmahal & Bakhtiyari	191779	338440	313501	22863	2076	2116
South Khorasan	166926	288128	269384	17521	1223	1645
Khorasan-e-Razavi.....	1002387	2469433	2291806	162562	15065	13594
North Khorasan	178285	334447	308377	25356	714	2750
Khuzestan	698008	1088391	1064124	22463	1804	19787
Zanjan	195906	367407	336289	28975	2143	2858
Semnan.....	139651	304497	277580	23933	2984	2693
Sistan & Baluchestan	74000	76899	75877	1003	19	1510
Fars	857969	1576925	1492407	79187	5331	12519
Qazvin	200877	445470	415016	26731	3723	4758
Qom	178737	425787	397032	24732	4023	2803
Kordestan	272561	562669	523831	36284	2554	3137
Kerman	456270	694708	675561	18087	1060	8894
Kermanshah	274025	616441	584200	29628	2613	3888
Kohgiluyeh & Boyerahmad	127832	204056	194862	8171	1023	630
Golestan	301126	596748	568855	25816	2077	3142
Gilan.....	607041	1122447	1031610	85013	5824	7042
Lorestan.....	269504	562248	535349	25830	1069	2204
Mazandaran.....	813616	1493222	1381577	98796	12849	8488
Markazi	297467	675829	629057	40901	5871	6989
Hormozgan.....	33259	16161	15554	427	180	7372
Hamedan	322225	637336	590252	43690	3394	3977
Yazd	255000	481703	437835	36817	7051	8056

1. Including extensions not yet utilized.

Source: Ministry of Oil.

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

Year	Total	Abadan	Arak	Esfahan	Bandar Abbas	Tabriz	Tehran	Shiraz	Kermanshah	Reservation centres
1380	1394	310	175	442	235	134	23	49	26	0
1385	1489	295	189	392	201	101	234	54	23	0
1390	1847	438	231	452	241	119	287	58	21	0
1394	2149	425	550	449	256	110	296	49	14	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	000
1399	1979	372	504	442	166	129	318	32	16	000

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

Source: Ministry of Oil.

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

Products category	Year								
	1380	1385	1390	1394	1395	1396	1397	1398	1399
Total	12543	18000	42736	46411	50628	53626	53375	55494	61155
Polymers.....	780	1396	4182	5706	6133	6890	6844	7294	7814
Chemicals.....	3070	5178	13779	15458	21118	22685	23308	24754	27745
Aromatics.....	1032	1241	3283	2825	2955	3292	3879	4108	4153
Fuel	2911	5787	12837	13684	15110	14903	12911	13079	14604
Fertilizers and pesticides..	4750	4398	8655	8738	5312	5856	6433	6259	6838

1. Including internal consumption of petrochemical complexes.

Source: Ministry of Oil.

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

Products category	Year							
	1380 ⁽¹⁾		1385 ⁽¹⁾		1390 ⁽¹⁾		1394 ⁽¹⁾	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	4181	6054	4819	20609	5634	61648	6515	140132
Polymers.....	655	3292	1044	9528	2426	38508	2545	91800
Chemicals.....	867	1087	1002	3557	1227	8548	1182	16522
Aromatics.....	242	521	446	4132	222	3000	395	9786
fuel.....	504	262	575	2191	820	8001	701	10718
Fertilizers and pesticides....	1913	892	1752	1201	939	3591	1692	11306

Products category	Year									
	1395 ⁽¹⁾		1396 ⁽¹⁾		1397 ⁽²⁾		1398 ⁽²⁾		1399	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	7443	167616	8354	207590	8377	392652	8444	564438	9834	1058708
Polymers.....	2897	112416	3173	137888	3289	257532	3430	367626	3506	681398
Chemicals.....	1356	21623	2116	31118	1580	47559	1460	63040	1575	112592
Aromatics.....	297	8725	321	11588	470	27980	557	47152	644	74707
Fuel.....	679	10191	663	12809	740	30892	806	51591	1261	103274
Fertilizers and pesticides	2214	14661	2081	14187	2298	28689	2191	35029	2848	86737

1. Information for the years 1380 to 1396 excludes inter-complex (plants) sale.

2. Revised figures.

Source: Ministry of Oil.

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

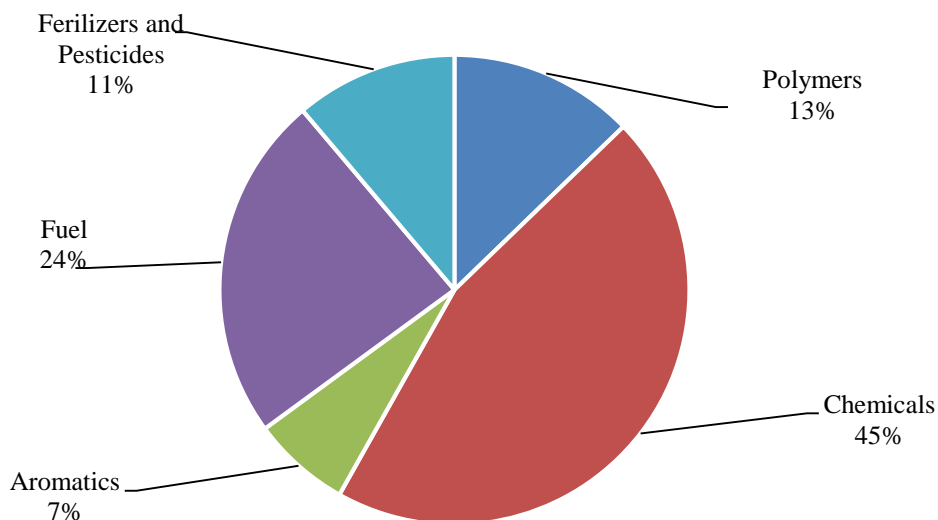
Products category	Year							
	1380		1385		1390 ⁽¹⁾		1394	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	4011	795	6013	3320	18193	14707	18807	9225
Polymers.....	142	73	340	415	1622	2575	2566	2976
Chemicals.....	1520	181	2217	899	7152	4259	6532	2283
Aromatics.....	385	116	445	461	1193	1682	1312	1003
Fuel.....	1948	423	3011	1545	5702	5169	5811	2224
Fertilizers and pesticides....	16	2	0	0	2524	1022	2586	739

Products category	Year									
	1395		1396		1397 ⁽¹⁾		1398 ⁽¹⁾		1399	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	21153	9952	22404	11950	20518	11336	22337	9468	24360	8824
Polymers.....	3135	3422	3804	4111	3289	3663	3859	3277	4239	3839
Chemicals.....	6868	2358	6791	2799	7077	2972	8416	2259	9854	1979
Aromatics.....	1374	989	1380	993	1570	1135	1440	949	1696	752
Fuel.....	6545	2533	6884	3261	4863	2674	4440	2138	4662	1440
Fertilizers and pesticides	3231	650	3545	786	3719	892	4182	845	3909	814

1. Revised figures.

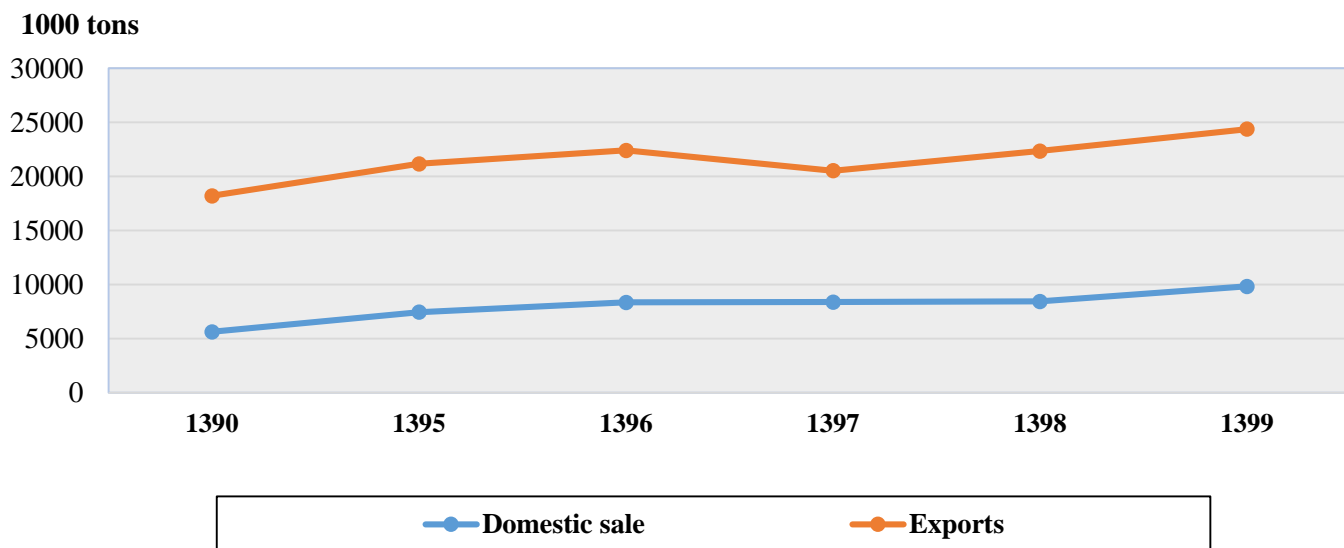
Source: Ministry of Oil.

7.5. TOTAL PRODUCTION OF NATIONAL PETROCHEMICAL COMPANY BY PRODUCTS CATEGORY, THE YEAR 1399



For data see Table 7.12.

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



For data see Table 7.13 & 7.14.