



Oil and Gas



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 Esfand 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 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 (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, 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.

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 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, CFO, 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 1393, a total of 490086 thousand barrels of crude oil were exported, which shows a 16.4% decrease compared to the preceding year. Also in the same year, the amount of oil products exports was 19 mln liters per day due to a 18.7% increase compared to the preceding year.

Furthermore, in that year, the production of some oil products in the total national refineries by cum/day is: liquefied gas 9476; motor spirit(without MTBE and consumption super gasoline) 64888, burning oil 21640 and gas oil 83857 which shows a 8.6, 8.9, 8.8 and 8.8 percent decrease compared to the preceding year, respectively.

In the year 1393, oil gas with the consumption of 30683 thousand cu m per day had the maximum share of consumption among all kinds of oil products and motor spirit with 25135 thousand cu m/day was at the second rank.

In the year 1393, the amount of motor spirit imports with a 45.4% increase reached 1451 mln liters compared to the preceding year.

In the year 1393, out of 1243 cities of the country, 1038 cities were supplied with piped gas and 46 cities were being supplied with piped gas which shows that 83.5 % of the country's cities are supplied with the piped gas.

The total production of the National Company of the Petrochemical Industries with a 9.7% increase compared to the preceding year reached 44511 thousand tons in the year 1393. Out of this amount, 15886 thousand tons valuing US \$ 10273 mln have been exported which shows a 23.8 and 4.1 percent increase, by volume and value, respectively compared to the previous year.

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

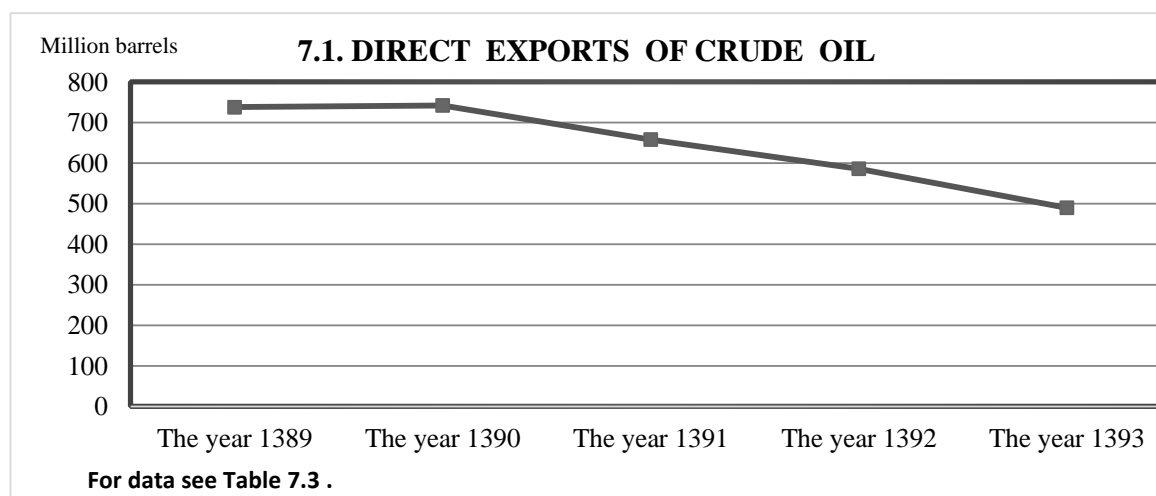
Description	1375	1380	1385	1389	1390	1391	1392	1393
Capacity	1417	1533	1561	000	000	000	000	000

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

Refinery	1375	1380	1385	1389	1390	1391	1392	1393
Total	498296	501510	491655	520125	570130	570130	666125	666125
Abadan	143564	000	127750	127750	127750	127750	142350	142350
Arak	63035	000	54750	54750	91250	91250	91250	91250
Esfahan	130018	000	73000	73000	73000	73000	136875	136875
Bandar Abbas	×	000	84680	116800	116800	116800	116800	116800
Tabriz.....	41098	000	40150	40150	40150	40150	40150	40150
Tehran.....	85071	000	80300	80300	80300	80300	91250	91250
Shiraz.....	16256	000	14600	14600	14600	14600	21170	21170
Kermanshah	8564	000	9125	5475	8030	8030	8030	8030
Lavan (distillation complex).....	10691	000	7300	7300	18250	18250	18250	18250

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

Description	1375	1380	1385	1389	1390	1391	1392	1393
Crude oil (1000 barrels)	930006	730000	887881	737676	741939	658132	586081	490086
Oil products (mln lit/day) ..	28	42	42	13	14	16	16	19

Source: Ministry of Oil.

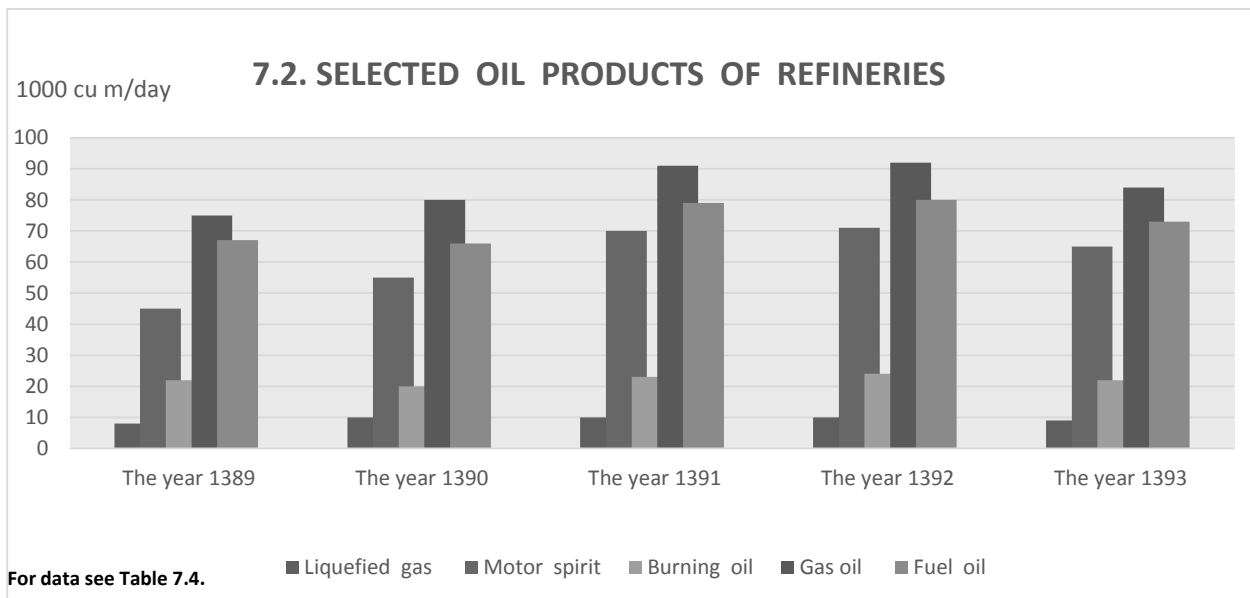
7.4. AVERAGE PRODUCTS OF REFINERIES**(cu m/day)**

Product	1375	1380	1385	1389	1390	1391	1392	1393
Total	206752	⁽¹⁾245891	⁽¹⁾257313	000	000	000	000	000
Liquefied gas	7341	8298	8016	8427	10120	10303	10367	9476
Motor spirit	28321	⁽¹⁾ 37128	⁽¹⁾ 44664	45215	54820	70183	71216	64888
Burning oil.....	25221	27160	21048	21664	20199	23437	23739	21640
Gas oil.....	57870	70879	80473	75527	80352	91012	91982	83857
Fuel oil.....	68650	80152	76205	67015	65643	79087	80136	73045
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 ⁽²⁾	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/day)**

Year and product	Total	Abadan	Arak	Esfahan	Bandar Abbas
1375	206752	61009	25978	53788	×
1380	245891	54486	25142	53947	41640
1385	257313	57485	28232	56649	42488
1389	000	000	000	000	000
1390	000	000	000	000	000
1391	000	000	000	000	000
1392	000	000	000	000	000
1393	000	000	000	000	000
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 ⁽¹⁾	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
1389	000	000	000	000	000
1390	000	000	000	000	000
1391	000	000	000	000	000
1392	000	000	000	000	000
1393	000	000	000	000	000
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 ⁽¹⁾	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)

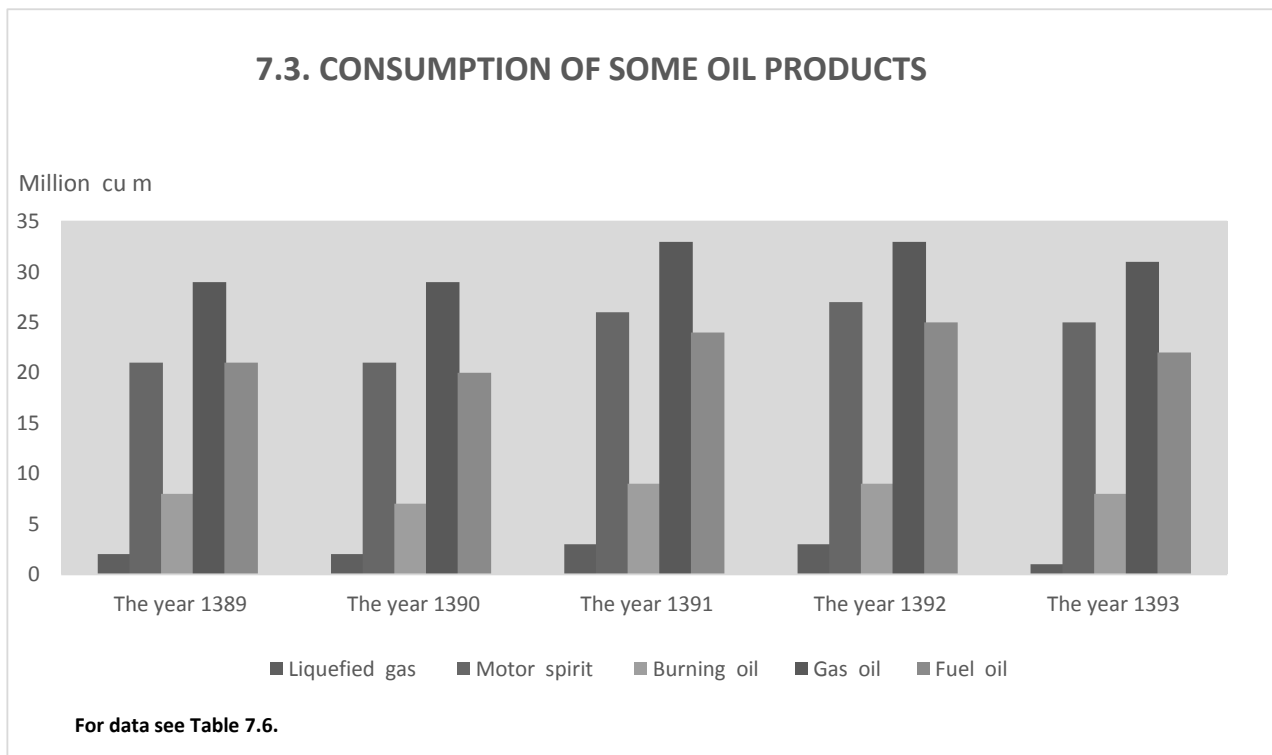
Product	1375	1380	1385	1389	1390	1391	1392	1393
Motor spirit ⁽¹⁾	12056	16723	26887	21008	20884	26017	26992	25135
Jet fuel G.P.4	165	157	99	000	000	000	000	000
Jet fuel A. T. K	716	943	1155	000	000	000	000	000
Burning oil	11148	8954	7199	7907	7257	8537	8665	7899
Gas oil	22873	25215	31471	28827	29427	33097	33428	30683
Fuel oil	15580	15245	15644	20710	19909	23516	24862	21920
Lubricants	330	390	000	000	000	000	000	000
Bitumen	2713	2100	⁽²⁾ 4202	000	000	000	000	000
Liquefied gas	3366	4163	3922	2133	2739	3233	3087	1880
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



7.7. CONSUMPTION(1) OF MAJOR OIL PRODUCTS BY OSTAN, THE YEAR 1393 (cu m)

Ostan	Motor spirit	Burning oil	Gas oil	Fuel oil	Liquefied gas
<i>Total country</i>	<i>000</i>	<i>000</i>	<i>000</i>	<i>000</i>	<i>000</i>
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	1375	1380	1385	1389	1390	1391	1392	1393
Total	4395	2840	11897	000	000	000	000	000
Motor spirit	988	2840	10038	4505	000	400	998	1451
Burning oil	1976	0	0	0	0	0	0	0
Gas oil	1427	0	1858	1266	000	0	186	122
Aviation spirit	4	0	2	000	000	000	000	000

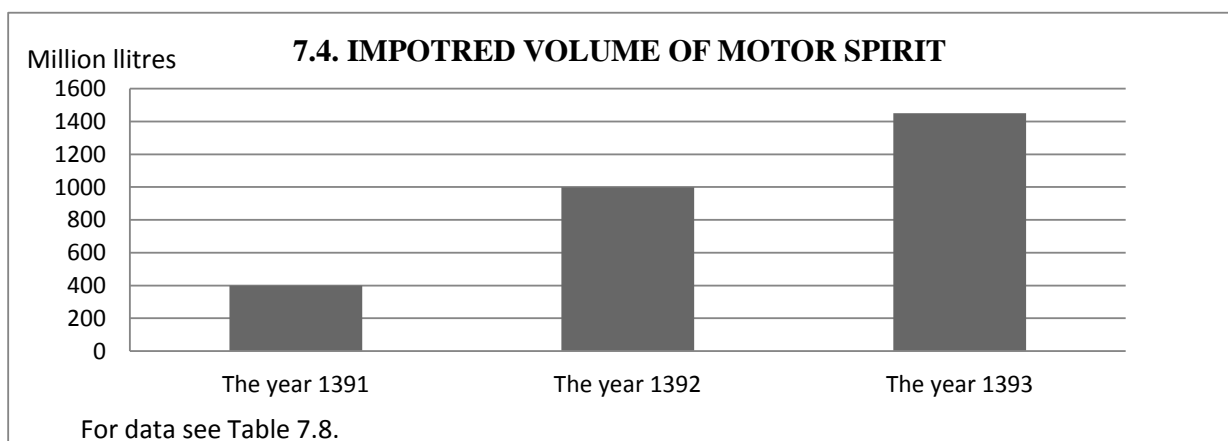
Sources: Ministry of Oil.

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

Means of transport	1375	1380	1385	1389	1390	1391	1392	1393
Total	22809	32429	39185	36290	34249	38618	38354	37192
Pipelines	15347	21056	25194	24011	21854	23773	24496	22485
Railway	1804	1977	2547	1482	1661	2233	2557	2082
Road vehicles	5643	7893	8995	7293	7844	8885	7717	9565
Tankers	⁽¹⁾ 15	1503	2449	3504	2890	3727	3584	3060

1.Excluding Oil Products Transports by Large Vessels.

Sources: Ministry of Oil.



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

Resource	1375	1380	1385	1389	1390	1391	1392	1393
Total	234	312	464	617	631	622	635	682
Associated gas	83	88	96	103	104	77	76	78
Gas cap gas.....	53	51	38	36	30	32	30	29
Gas of independent gas fields.....	97	172	330	478	497	513	528	575

Source: Ministry of Oil.

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

Resource	1375	1380	1385	1389	1390	1391	1392	1393
Total	166	257	364	000	000	000	000	000
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	1375	1380	1385	1389	1390	1391	1392	1393
Flared gas.....	12737	000	15851	000	000	000	000	000
Gas delivered to National Iranian Gas Company ⁽¹⁾	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 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 ⁽¹⁾		Cities being supplied with piped gas ⁽³⁾
	Number ⁽²⁾	Number of household	
1375	223	000	69
1380	400	000	79
1385	615	11457949	82
1389	924	000	000
1390	966	000	000
1391	996	000	000
1392	1020	000	000
1393	1038	000	46
East Azarbayejan	59	000	0
West Azarbayejan.....	34	000	1
Ardebil.....	26	000	0
Esfahan	103	000	0
Alborz ⁽⁴⁾	000	000	000
Ilam.....	16	000	3
Bushehr.....	32	000	0
Tehran ⁽⁴⁾	60	000	1
Chaharmahal&Bakhtiyari.....	38	000	0
South Khorasan.....	16	000	5
Khorasan-e-Razavi	69	000	3
North Khorasan.....	20	000	0
Khuzestan	72	000	1
Zanjan.....	19	000	0
Semnan	19	000	0
Sistan&Baluchestan.....	1	000	4
Fars	79	000	8
Qazvin.....	22	000	2
Qom	6	000	0
Kordestan.....	28	000	0
Kerman	40	000	8
Kermanshah.....	24	000	1
Kohgiluyeh&Boyerahmad.....	14	000	1
Golestan.....	29	000	0
Gilan	51	000	0
Lorestan	22	000	0
Mazandaran	49	000	5
Markazi.....	35	000	1
Hormozgan	8	000	1
Hamedan.....	29	000	0
Yazd.....	18	000	1

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

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

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

4. Statistics for Alborz are included with Tehran.

Sources: Ministry of Oil,

-Ministry of the Interior.

7.14. VILLAGES 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 ⁽¹⁾		Villages being supplied with piped gas ⁽³⁾
	Number ⁽²⁾	Number of household	
1375	000	000	000
1380	000	000	000
1385	4199	000	2250
1389	10186	000	000
1390	12205	000	000
1391	14114	000	000
1392	15874	000	000
1393	17522	000	5024
East Azarbayejan	1280	000	304
West Azarbayejan.....	385	000	318
Ardebil.....	567	000	307
Esfahan	1249	000	12
Alborz ⁽⁴⁾	000	000	000
Ilam.....	162	000	133
Bushehr.....	159	000	208
Tehran ⁽⁴⁾	566	000	34
Chaharmahal&Bakhtiyari.....	374	000	60
South Khorasan.....	109	000	44
Khorasan-e-Razavi	1221	000	319
North Khorasan.....	381	000	149
Khuzestan	1175	000	169
Zanjan.....	269	000	210
Semnan	179	000	47
Sistan&Baluchestan.....	1	000	189
Fars	800	000	226
Qazvin.....	294	000	20
Qom	104	000	11
Kordestan.....	872	000	140
Kerman	563	000	187
Kermanshah.....	326	000	604
Kohgiluyeh&Boyerahmad.....	434	000	95
Golestan.....	708	000	68
Gilan	1285	000	564
Lorestan	544	000	232
Mazandaran	1645	000	68
Markazi.....	859	000	78
Hormozgan	7	000	8
Hamedan.....	832	000	93
Yazd.....	172	000	127

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

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

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

Statistics for Alborz are included with Tehran.

Source: Ministry of Oil

7.15. TYPES OF GAS EXTENSIONS ⁽¹⁾, NATURAL GAS CONSUMERS BY TYPE AND

CONSUMPTION OF NATURAL GAS 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	000
1385	6170548	9292175	8839347	439264	13564	100588
1389	7968070	13318764	000	000	000	141091
1390	8516839	14717210	000	000	000	144519
1391	8976941	16136287	000	000	000	142367
1392	9431324	17508187	000	000	000	145538
1393	9818230	18771822	17586332	1112590	72900	163558
East Azarbayejan	578646	1321685	1176984	137968	6733	6446
West Azarbayejan	328716	720227	653806	65636	785	4491
Ardebil	189109	377684	348056	28452	1176	1931
Esfahan	995154	1567086	1485210	73433	8443	18488
Alborz	000	000	000	000	000	000
Ilam	72675	101862	98673	2913	276	451
Bushehr	115647	90797	89134	1355	308	12331
Tehran	1467426	3383812	3137409	233668	12735	26050
Chaharmahal&Bakhtiyari	164673	266003	248634	16374	995	1108
South Khorasan	82002	162415	154523	7680	212	1211
Khorasan-e-Razavi	787277	1888404	1766489	110995	10920	10919
North Khorasan	123691	228722	211933	16369	420	2541
Khuzestan	577324	828220	809251	18439	530	14573
Zanjan	142608	257870	239617	17372	881	2022
Semnan	127233	247279	227270	17969	2040	2146
Sistan&Baluchestan	6977	6403	6288	115	0	83
Fars	622960	1113415	1061800	49382	2233	9347
Qazvin	169065	342552	317808	22549	2195	3554
Qom	160637	338494	324191	12539	1764	2356
Kordestan	224680	408348	384246	22557	1545	2667
Kerman	297465	479845	462364	17005	476	4123
Kermanshah	207500	454549	432305	20586	1658	3290
Kohgiluyeh&Boyerahmad	93667	133378	128787	4221	370	439
Golestan	254775	464488	445043	17966	1479	2514
Gilan	455154	797705	744669	50299	2737	5637
Lorestan	204475	413668	396242	16855	571	1429
Mazandaran	621610	1037656	977427	54804	5425	5575
Markazi	255841	472059	440735	28119	3205	5856
Hormozgan	5580	6224	5892	177	155	4632
Hamedan	297217	519300	490258	28025	1017	2378
Yazd	188446	341672	321288	18768	1616	4967

1. Including extensions not yet utilized.
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 ⁽¹⁾
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
1389 ⁽²⁾	1770	382	200	408	269	112	309	60	22	0
1390 ⁽²⁾	1871	438	231	452	241	119	287	58	21	0
1391 ⁽²⁾	1828	363	277	427	254	120	302	53	17	0
1392 ⁽²⁾	1988	273	542	399	273	116	304	56	17	0
1393⁽²⁾	2042	293	599	403	282	94	295	50	20	0

1. Since the year 1370, shipment from Rey reservoir has been included elsewhere.

2. Including total delivery of liquefied gas for Lavan Refinery from the year 1389 to the year 1393.

Source: Ministry of Oil.

7.17. TOTAL PRODUCTION⁽¹⁾ OF NATIONAL PETROCHEMICAL COMPANY BY MAIN CATEGORIES (1000 tons)

Category	1375	1380	1385	1389	1390	1391	1392	1393
Total	10007	12543	⁽²⁾18000	40175	42736	41063	40574	44511
Polymers	594	780	1396	3895	4182	4637	4923	5325
Chemicals.....	2262	3070	5178	12695	13779	12933	13097	14782
Aromatics	407	1032	1241	3295	3283	3323	3390	3086
Hydrocarbons	2293	2911	5787	12495	12837	11734	11471	12622
Fertilizers, pesticides and related materials	4451	4750	4398	7795	8655	8436	7693	8696

1. Including internal consumption of petrochemical complexes.

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

Source: Ministry of Oil.

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

Category	1375		1380		1385		1389	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	3140.0	2117.0	4180.0	6053.0	⁽¹⁾6066.0	⁽¹⁾26520.0	10531.7	67692.4
Polymers	434.0	1029.0	741.0	3300.0	1063.0	9681.0	1501.0	20091.4
Chemicals	389.0	389.0	580.0	1016.0	1018.0	5033.0	2386.8	15564.3
Aromatics	95.0	114.0	248.0	512.0	497.0	4539.0	868.0	8582.9
Hydrocarbons	425.0	136.0	501.0	316.0	1554.0	6003.0	3884.0	18130.6
Fertilizers, pesticides and related materials	1797.0	444.0	2110.0	909.0	1934.0	1264.0	1891.9	5323.2

Category	1390		1391		1392		1393	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	11858.0	111244.0	13273.0	174777.0	14524.8	313766.0	16332.3	333488.5
Polymers	2271.0	38568.0	2424.0	65633.2	2610.0	97330.5	2654.7	108964.0
Chemicals	3368.0	29981.0	3642.0	38978.4	703.9	22308.0	4400.4	79551.0
Aromatics	1035.0	13183.0	1003.0	19626.3	3620.0	72306.7	1175.9	35567.1
Hydrocarbons.....	4072.0	25654.0	4277.0	43364.8	5734.6	111215.0	5831.3	92847.4
Fertilizers, pesticides and related materials	1112.0	3858.0	1927.0	7174.5	1856.3	10605.0	2269.9	16559/0

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

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

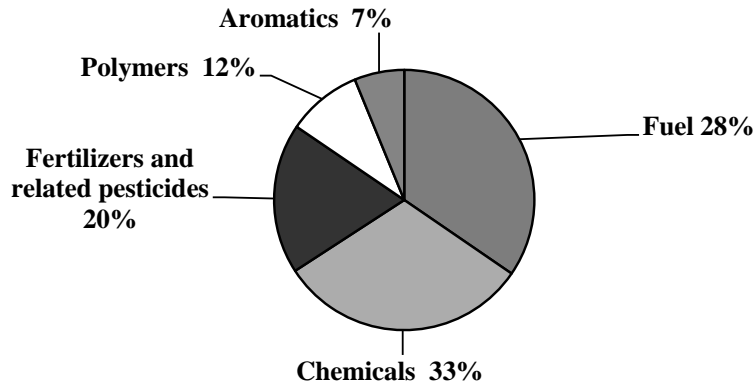
Category	1375		1380		1385		1389	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	2656.0	507.0	4011.0	795.0	(1)6044.0	(1)3299.0	17860.7	11558.6
Polymers	128.0	70.0	142.0	73.0	360.0	429.0	1963.2	2344.1
Chemicals	322.0	93.0	651.0	118.0	1687.0	774.0	5176.5	2554.8
Aromatics	08175.0	48.0	385.0	117.0	440.0	454.0	292.0	271.3
Hydrocarbons	1255.0	235.0	2010.0	442.0	3010.0	1545.0	7499.0	5499.5
Fertilizers, pesticides and related materials	766.0	61.0	823.0	45.0	547.0	97.0	2930.0	888.9

Category	1390		1391		1392		1393	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Total	18193.0	14662.4	15757	12061.3	12827.0	9869.1	15886.0	10273.0
Polymers	1638.0	2546.9	1937.0	2498.9	2488.0	3509.1	2511.1	3293.4
Chemicals	5567.0	3508.3	4357	2138.4	3727.3	2046.0	5008.6	1991.7
Aromatics	536.0	773.4	270.0	389.1	247.0	341.0	952.1	1111.5
Hydrocarbons	6452.0	6241.7	5432.0	5183.9	3180.0	2942.0	3785.1	2646.3
Fertilizers, pesticides and related materials	4000.0	1592.1	3761.0	1851.0	3185.0	1031.0	3628.9	1230.1

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

Source: Ministry of Oil.

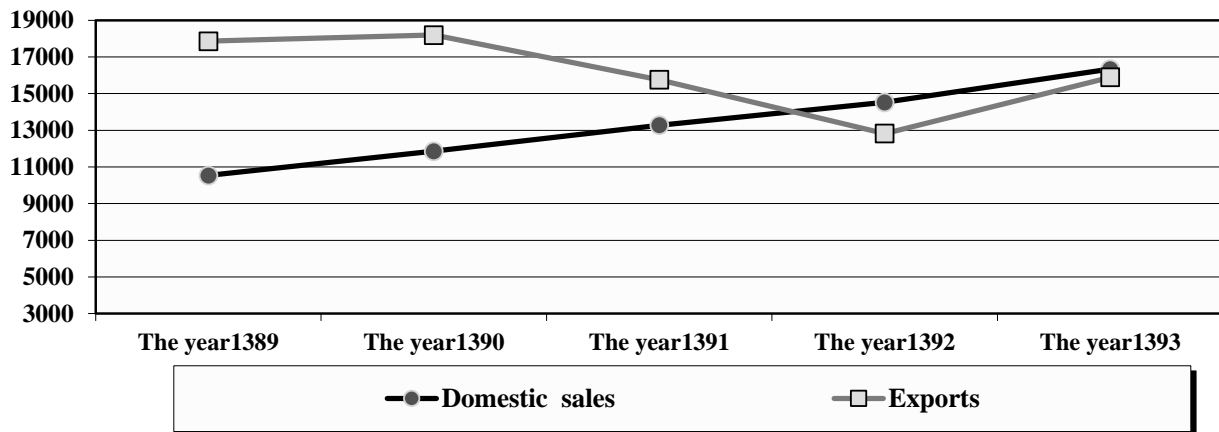
7.5. TOTAL PRODUCTION OF NATIONAL PETROCHEMICAL COMPANY BY MAIN CATEGORIES OF PRODUCTS, THE YEAR 1393



For data see Table 7.17.

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

Thousand tons



For data see Tables 7.18 and 7.19.