



Investment Opportunities in Refining Projects

**National Iranian Oil Refining and Distribution Company
(NIORDC)**

**May
2023**



Introduction

National Iranian Oil Refining and Distribution Company (NIORDC), the authorized body for supplying and distribution of petroleum products in Iran, fulfills its mission through coordination and supervision over ten refineries (state-owned or privatized), and three subsidiaries (IOPTC, NIOPDC, NIOEC). In addition to production, transportation and distribution services; NIORDC is also active in other areas such as designing, implementation and construction of oil refineries, building pipelines and other downstream installations.

In line with its current activities, while transferring some of the refineries, oil storage facilities and fuel stations to the private sector, NIORDC seeks to attract foreign and domestic investments for its priority refining projects. This catalogue will shed light on these plans and projects.



New Refinery/petro refinery construction project with crude oil feed

NO.	Name of the company implementing the project	Capacity (kbpd)	Estimated Investment (Billion \$)
1	Lavan Refinery	150	2.1
2	Shastan (Mokran Negin Petro refinery Project)	300	12.3
3	Ghadir Jask	300	5.6
4	Mokran Refinery(Energy Mofid)	300	6.6 €
5	Entekhab Jask	200	5.9 €
6	Anahita Petro-refinery (AORC)	150	4.7
7	Khoozestan Refinery	180	3.4 €
8	Shahid Soleimani Petro Refinery	300	9



Lavan Refinery

Key Indexes		Remarks
Location		Lavan
Capacity (kbpd)		150
Estimated Investment (Billion \$)		2.1
Physical progress		2%
IRR		19.02%
Latest status		Basic design



Shastan

(Negin Mokran Petro- Refinery Project)

Key Indexes	Remarks
Location	Bandar Abbas
Capacity (kbpd)	300
Estimated Investment (Billion €)	12.3
Physical progress	0.8%
IRR	16.18%
Latest status	Feasibility study

Ghadir Jask

Key Indexes	Remarks
Location	Jask
Capacity (kbpd)	300
Estimated Investment (Billion €)	5.6
Physical progress	1.2%
IRR	16.18%
Latest status	Feasibility study

Morvarid Mokran Refinery

Key Indexes	Remarks
Location	Jask
Capacity (kbpd)	300
Estimated Investment (Billion €)	6.6
Physical progress	9.12%
IRR	12.90%
Latest status	Basic design

Entekhab Jask

Key Indexes	Remarks
Location	Jask
Capacity (kbpd)	200
Estimated Investment (Billion €)	5.9
Physical progress	0.95 %
IRR	18.80%
Latest status	Basic design



Anahita Petro-refinery

Key Indexes	Remarks
Location	Kermanshah
Capacity (kbpd)	150
Estimated Investment (Billion \$)	4.7
Physical progress	4%
IRR	18%
Latest status	Conceptual study.

Khoozestan Refinery

Key Indexes	Remarks
Location	Abadan
Capacity (kbpd)	180
Feedstock	Extra heavy crudes
Estimated Investment (Billion €)	3.4
Physical progress	0%
IRR	23.1%
Latest status	Feasibility study to revise technical issue

Shahid Soleimani petro_refinery

Key Indexes	Remarks
Location	Bandar Abbas
Capacity (kbpd)	300
Estimated Investment (Billion \$)	9
Physical progress	0%
IRR	17.4%
Latest status	Feasibility studies

Condensate Refinery

NO.	Name of the company implementing the project	Capacity (kbpd)	Estimated Investment (million \$)
1	Pishgaman Siraf Development Refinery Co. (PSDR)	60	410
2	Siraf Setareh Sabz Refinery (SGSR)	120	1635
3	Javid Energy Parto Company (JEPCo.)	60	421
4	Mehr of Persian Gulf	120	392 €



Pishgaman Siraf Refinery Co. (PSDR)

Key Indexes	Remarks
Location	Assaluyeh
Capacity (kbpd)	60
Estimated Investment (million \$)	410
Physical progress	18.2%
IRR	10.62%
Latest status	Basic design



Siraf Setareh Sabz Refinery Company (SGSR)

Key Indexes	Remarks
Location	Assaluyeh
Capacity (kbpd)	120
Estimated Investment (million \$)	1635
Physical progress	18.4%
IRR	23.08%
Latest status	Basic design is completed. Financing.

Javid Energy Parto Company

Key Indexes	Remarks
Location	Qeshm
Capacity (kbpd)	60
Estimated Investment (million \$)	421
Physical progress	9.1%
IRR	14.13%
Latest status	Basic design is completed

Mehr of Persian Gulf

Key Indexes	Remarks
Location	Hormozgan
Capacity (kbpd)	120
Estimated Investment (million €)	392
Physical progress	56%
IRR	18.54%
Latest status	Under construction



Reducing and upgrading Fuel Oil Production in Existing Refineries

NO.	Project Name	Capacity (bpd)	Estimated Investment (million\$)
1	Reducing Fuel Oil Production in Bandar Abbas Refinery	39000	2500
2	Reducing Fuel Oil Production in Abadan Refinery	67000	3000
3	Reducing Fuel Oil Production in Tabriz Refinery	26000	1150 €
4	Reducing Fuel Oil Production in Tehran Refinery	64000	1500
5	Upgrading Fuel Oil in Esfahan Refinery	81000	843
6	Reducing Fuel Oil in Shiraz Refinery	17000	644
7	Construction needle coke unit in Imam Khomeini Refinery (Shazand)	10000	238
8	Construction of vacuum distillation unit in Lavan Refinery	12000	39

Reducing of Fuel Oil Production in Bandar Abbas Refinery

Objective	Reducing fuel oil production to less than 10%
Location	Bandar Abbas Refinery
Implemented by	Bandar Abbas Oil Refining Company
Construction duration	4 years
Capacity	39000 bpd
Feedstock	VR (vacuum residue)+HEAVY SLOPS
Required Investment	2500 million \$
Status	Basic design

Reducing of Fuel Oil Production in Abadan Refinery

Objectives	Reducing fuel oil production to less than 10%
Location	Abadan Refinery
Implemented by	National Iranian Oil Refining and Distribution Company (NIORDC)
Construction duration	4 years
Capacity	67000 bpd
Feedstock	VR
Required Investment	\$3000 million
Status	F.S (Preliminary feasibility study)

Reducing of Fuel Oil Production in Tabriz Refinery

Objective	Reducing fuel oil production to less than 10%
Location	Tabriz Refinery
Implemented by	Tabriz Oil Refining Company
Construction duration	4 years
Capacity	26,000 bpd
Feedstock	VR
Required Investment	1150 million €
Status	Basic design

Reducing of Fuel Oil Production in Tehran Refinery

Objective	Reducing fuel oil production to less than 10%
Location	Tehran Refinery
Implemented by	Tehran Oil Refining Company
Construction duration	4 years
Capacity	64,000 bpd
Feedstock	crude oil residue
Required Investment	1500 million \$
Status	F.S (feasibility study)

Upgrading of Fuel Oil in Esfahan Refinery

Objective	Increasing of fuel oil quality
Location	Esfahan Refinery
Implemented by	Esfahan Oil Refining Company
Construction duration	4 years
Capacity	81,000 bpd
Feedstock	Crude oil residue
Required Investment	843 million \$
Status	EPC

Reducing of Fuel Oil in Shiraz Refinery

Objective	Reducing fuel oil production to less than 10%
Location	Shiraz Refinery
Implemented by	Shiraz Oil Refining Company
Construction duration	4 years
Capacity	17,000 bpd
Feedstock	Crude oil residue
Required Investment	644 million \$
Status	F.S (Feasibility study)

Construction of needle coke unit in Imam Khomeini Refinery(Shazand)

Objective	Production of needle coke for steel industries
Location	Imam Khomeini Refinery
Implemented by	Imam Khomeini Oil Refining Company
Construction duration	4 years
Capacity	10,000 bpd
Feedstock	Vacuum bottom+ CSO
Required Investment	238 million \$
Status	Conceptual design+ pilot test

Construction of vacuum distillation unit in Lavan Refinery

Objective	Less residual production
Location	Lavan Refinery
Implemented by	Lavan Oil Refining Company
Construction duration	4 years
Capacity	12,000 bpd
Feedstock	Atmospheric Residue
Required Investment	39 million \$
Status	F.S

Pipeline Projects

NO.	PROGECT	Capacity (Kbpd)	Estimated Investment
1	Tehran bypass Pipeline	127 for crude oil	237 Million €
		300 for product	
		215 for product	
2	SIRJAN-SHIRAZ Pipeline (Pars)	70	107 Million €
3	RAFSANJAN-TORBATE HEYDARIE Pipeline (Tabesh)	150	374 Million €

Tehran bypass pipeline

Key Indexes	Remarks
Estimated Investment (Million €)	237
Feedstock	Crude oil + products
Capacity (kbpd)	127 for crude oil
	300 for product
	215 for product
Pipeline diameter (in)	20 for crude oil
	2* 26 for product
Pipeline distance (k.m)	353

SIRJAN-SHIRAZ pipeline (Pars)

Key Indexes	Remarks
Estimated Investment (Million €)	106
Feedstock	Gasoline + gas oil + kerosene
Capacity (bpd)	73,000
Pipeline diameter (in)	14
Pipeline distance (k.m)	400

RAFSANJAN-TORBATE HEYDARIE pipeline(Tabesh)

Key Indexes	Remarks
Estimated Investment (Million €)	372
Feedstock	gasoline+ gas oil + kerosene
Capacity (bpd)	150,000
Pipeline diameter (in)	22-18
Pipeline distance (k.m)	950

Storage Project

NO.	Name of the company implementing the project	Capacity	Estimated Investment
1	Jamal Ahmad Reservoir (Shahid mahdavi)	600 (Million liter)	90 (Million \$)

Shahid Mahdavi (Jamal Ahmad)

Storage tank

Key Indexes	Remarks
Location	Bandar abbas
Estimated Investment (Million \$)	90
Capacity	260 million liter gasoline+ 340 million liter gasoil