

Investment Opportunities in Refining Projects

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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.

Shahid Soleimani Petro-Refinery

Key Indexes	Remarks
Location	Bandar Abbas
Capacity (kbpd)	300
Estimated Investment (Billion \$)	9
Physical Progress	0.27%
IRR	23.39%
Latest Status	Basic Design

Section 2, Phase 2 of Abadan Refinery Development and Stabilization Plan

Key Indexes	Remarks
Location	Abadan
Capacity (kbpd)	210
Estimated Investment (Billion €)	1.8
Physical Progress	0%
IRR	25.18%
Latest Status	Feasibility Study

Morvarid Mokran Refinery

Key Indexes	Remarks
Location	Jask
Capacity (kbpd)	300
Estimated Investment (Billion €)	6.6
Physical Progress	6.1%
IRR	12.90%
Latest Status	Basic Design

Khoozestan Refinery

Key Indexes	Remarks
Location	Abadan
Capacity (kbpd)	180
Feedstock	Extra Heavy Crudes
Estimated Investment (Billion €)	5
Physical Progress	0%
IRR	23.1%
Latest Status	Feasibility Study to Revise Technical Issue

Mehr of Persian Gulf Gas Condensate Refinery

Key Indexes	Remarks
Location	Hormozgan
Capacity (kbpd)	120
Estimated Investment (million €)	446
Physical Progress	63%
IRR	18.54%
Latest Status	Under Construction

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	55000 bpd
Feedstock	VR (Vacuum Residue)+HEAVY SLOPS
Required Investment	2200 million €
Status	Under Construction

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	30,827 bpd
Feedstock	VR
Required Investment	1700 million €
Status	Basic Design

Reducing of Fuel Oil Production in Tehran Refinery (RCD+RFCC Units)

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	20,000 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	41,200 bpd
Feedstock	Vacuum Bottom+ CSO
Required Investment	450 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 (Feasibility Study)

MehraVan-Fasa-Shiraz Pipeline (Pars)

Key Indexes	Remarks
Estimated Investment (million €)	106
Feedstock	Gasoline + Gas Oil + Kerosene
Capacity (bpd)	75,000
Pipeline Diameter (in)	14
Pipeline Distance (k.m)	400

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

Rafsanjan-Birjand-Mashhad 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

Jamal Ahmad (Shahid Mahdavi) Storage Tank

Key Indexes	Remarks
Location	Bandar Abbas
Estimated Investment (million \$)	90
Capacity	260 million Liter Gasoline+ 340 million Liter Gasoil