

# **Basic Chemicals and Feedstock in Iran's Petrochemical Industry**

The production of petrochemical products in Iran began in the 1960s with the establishment of the Chemical Enterprise of the Country, later renamed the National Petrochemical Company. One of its first operational steps was the launch of the Marvdasht Chemical Fertilizer Plant (Shiraz Petrochemical Company). As Iran's first producer of basic chemicals and feedstock, this complex introduced ammonia and urea production units. Another pioneering facility in this sector was Razi Petrochemical Company, located in Mahshahr, which also became a key player in ammonia and urea production.

With advancements in petrochemical infrastructure, Iran's portfolio of basic chemicals and feedstock expanded to include monoethylene glycol, acetic acid, melamine crystal, and linear alkylbenzene (LAB). Additionally, the production of MTBE at Bandar Imam Petrochemical Company and Shimi Baft Complex was initiated to enhance the quality of gasoline and emerged as a strategic product in the fuel industry.

These products hold a critical position in the petrochemical value chain, serving a wide range of downstream industries. In addition to meeting domestic demand, a significant portion of production is exported to international markets, contributing to Iran's foreign currency earnings.

## Growth and Future Prospects

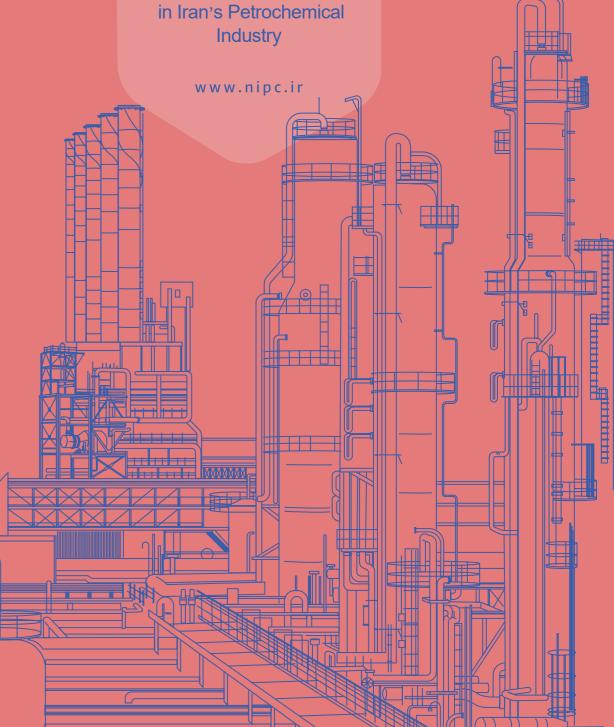
Iran's tradable (export & import) basic chemicals and feedstock production capacity reached approximately 12 million tons per year in 2024. According to development plans, with the completion of ongoing projects and the launch of new units, this capacity is expected to surpass 13 million tons by the end of the Seventh Development Plan (2028).

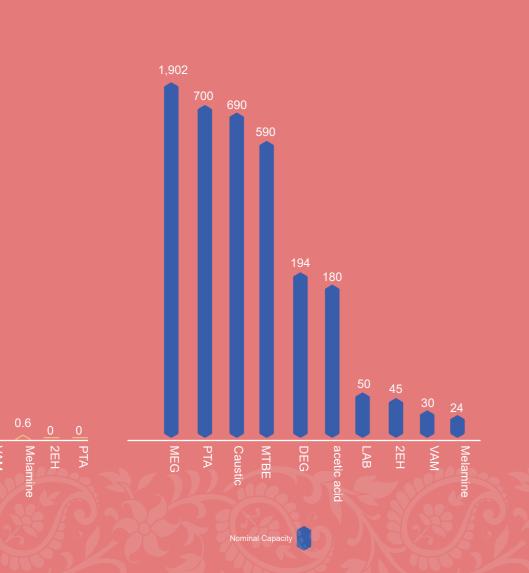
The balanced expansion of basic chemicals and feedstock production not only strengthens the petrochemical industry)s value chain but also enhances Iran's position in the global economy by increasing non-oil exports and securing a stronger presence in regional and international markets.

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N P C

Basic

**Chemicals** 

& Feedstock

**Complexes &** 

**Projects** 

in Iran's

Petrochemical Industry

(End Of 2024)

**Nominal Capacity of** 

**Basic Chemicals and Feedstock** 

in the Petrochemical Industry

## Abbreviations

Name of Holding: PGPIC

Name of Holding: Other

Product: Ammonia

Product: Acetic Acid

Fanavaran

Tondguyan

Razi

Nominal Capacity (KT/Y): 500

Nominal Capacity (KT/Y): 1,337

Name of Holding: TAPPICO

Name of Holding: PGPIC

Nominal Capacity (KT/Y): 150

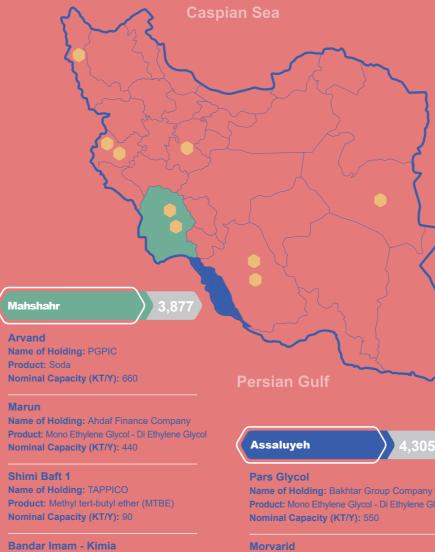
Nominal Capacity (KT/Y): 700

Product: Purified Terephtalic Acid (PTA)

**Product:** Methyl tert-butyl ether (MTBE)

PGPIC: Persian Gulf Petrochemical Industries Company TAPPICO: Tamin Petroleum & Petrochemical Investment Company POGDC: Parsian Oil and Gas Development Company

## **Basic Chemicals and Feedstock Complexes (End of 2024)**

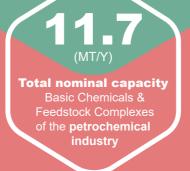


Name of Holding: Other Nominal Capacity (KT/Y): 550

Farsa Shimi Name of Holding: Other Product: Mono Ethylene Glycol - Di Ethylene Glycol Nominal Capacity (KT/Y): 440

Hengam Name of Holding: PGPIC Product: Ammonia Nominal Capacity (KT/Y): 725

Pardis Name of Holding: POGDC Product: Ammonia Nominal Capacity (KT/Y): 2,040





Lordegan Urea Fertilizer Company- Lordegan Name of Holding: PGPIC Product: Ammonia Nominal Capacity (KT/Y): 680

#### Shiraz - Shiraz Name of Holding: POGDC Product: Ammonia Nominal Capacity (KT/Y): 1,073

Bisotoun - Kermanshah Name of Holding: Other Product: Linear Alkylbenzene (L.A.B) Nominal Capacity (KT/Y): 50

Khorasan - Bojnurd Name of Holding: TAPPICO Product: Ammonia - Melamine Nominal Capacity (KT/Y): 350

Product: Mono Ethylene Glycol - Di Ethylene

Glycol - Acetic Acid - Vinyl Acetate Monomer

Masjid Soleyman Petrochemical Co. Name of Holding: National Pension Fund

Shazand - Shazand

Name of Holding: Other

Nominal Capacity (KT/Y): 220

Nominal Capacity (KT/Y): 680

Kermanshah - Kermanshah

Name of Holding: POGDC

Name of Holding: PGPIC

Nominal Capacity (KT/Y): 4

Name of Holding: TAPPICO

Nominal Capacity (KT/Y): 30

Nominal Capacity (KT/Y): 396

- 2-Ethylhexanol

Product: Ammonia

Product: Ammonia

Urmia- Urmia

Product: Melamine

Abadan- Abadan

Product: Soda



Product: Mono Ethylene Glycol - Di Ethylene Glycol

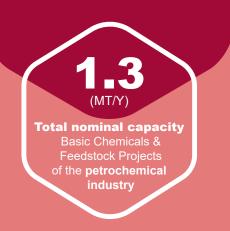
Product: Mono Ethylene Glycol - Di Ethylene Glycol

### Abbreviations

SHASTAN: Shastan Investment Trading Company PGPIC: Persian Gulf Petrochemical Industries Company POGDC: Parsian Oil and Gas Development Company

**Basic Chemicals and** Feedstock Projects (Seventh Development Plan)

Caspian Sea



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Kermanshah Urea and Ammonia (Phase 2) - Kermanshah Name of Holding: POGDC Product: Ammonia Nominal Capacity (KT/Y): 396

Petro Samin Sepahan - Isfahan Name of Holding: Other Product: 2-Ethylhexanol Nominal Capacity (KT/Y): 40

Petro Armand Lordegan - Lordegan Name of Holding: PGPIC Product: Ammonia - Melamine Nominal Capacity (KT/Y): 60

## **Persian Gulf**

Assaluyeh

**Bushehr Olefin and MEG** Name of Holding: SHASTAN **Product:** Mono Ethylene Glycol - Di Ethylene Glycol Nominal Capacity (KT/Y): 550

Tose'e Sanat Lavan Methanol and Ammonia Name of Holding: Other Product: Ammonia Nominal Capacity (KT/Y): 300