

Nitric Acid (HNO₃)

INVESTMENT OPPORTUNITY SCORECARD

CHEMICALS

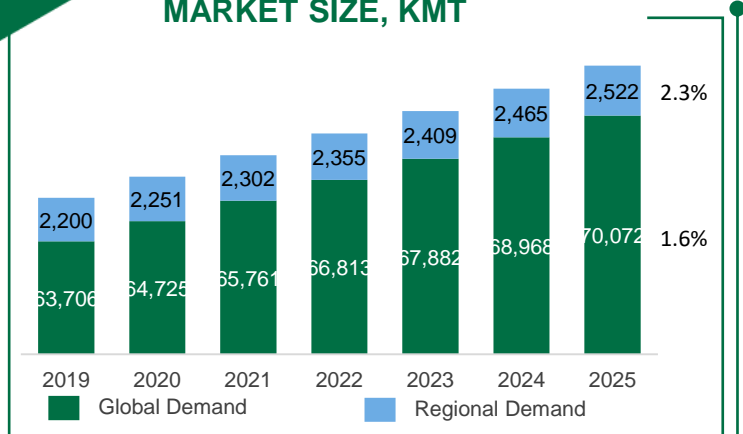
AUGUST 2021



OPPORTUNITY DESCRIPTION: Opportunity to setup Nitric Acid (HNO3) manufacturing plant in KSA to cater regional and global demand

DEMAND

MARKET SIZE, KMT



INVESTMENT OVERVIEW

VALUE PROPOSITION

- KSA is one of the largest chemical producers in the world and contributes ~10% to the global output
- KSA is strategically located at the crossroads of several markets that have high demand for chemical products
- KSA benefits from having an abundant access to raw materials and a high standard of infrastructure that is continuously being improved upon
- Opportunity for first mover advantage due to non-existent local production of Propionic Acid and lack of competition from major global manufacturers
- This opportunity has a strategic alignment with vision 2030 and National Industrial Strategy by supporting many sectors such as automotive and food and beverage

KEY DEMAND DRIVERS

- Producing ammonia in Ras Az Zawr will provide synergy with the raw material availability in the region and also fertilizers production. Nitric Acid produced here can be extensively in production of multiple chemicals in Al Jubail. thus will increase the demand in the region for the production of Nitric Acid (HNO3)
- Nitric Acid (HNO3) end uses include the production of explosives, metal treatment, and uranium processing which they mainly drive the market demand

MARKET OVERVIEW

GLOBAL TRENDS

- Nitric acid (HNO3) is one of the world's largest commodity chemicals, with annual production amounting to 65.9 million metric tons in 2020. It is used predominantly as an intermediate for fertilizer production. In 2020, about 80% of nitric acid was used for fertilizer products, whereas the remaining 20% was used in industrial applications.
- The largest chemical end uses for nitric acid include nitrobenzene, adipic acid, toluene diisocyanate (TDI), and nitrochlorobenzenes, together accounting for 12.9% of global nitric acid consumption in 2020.
- World nitric acid capacity, production, and consumption are dominated by Western and Eastern Europe, China, North America, and Central Europe. Together, these five regions account for more than 80% of global supply and demand.

DEFINITIONS

#	SCORECARD SECTION	DEFINITIONS
1	Market size	Size of market in value/volume in KSA and/or Region (MENA/GCC) covering future projections based on available estimates from published /government sources
2	Demand drivers	A select number of factors that will influence future demand for the related product/service
3	Investment highlights	An overview of key financial metrics summarizing the investment opportunity along with the expected return based on the suggested investment size
4	Value proposition	Summary of key differentiators that position KSA as a strategic choice over other regional/global peers
5	Market readiness	An overview of KSA market structure, market maturity and level of participation by local and global players
6	Competitor analysis	List of the local & international players manufacturing the underlying product in Saudi Arabia and their market share
7	Global trends	Latest business developments within the sector/product category
8	Scalability and localization	Ease of scaling the business across the value chain or into new adjacent products or geographies that would maximize the opportunity's investment returns and the ability and potential to locally manufacture the product and its components
9	Import dependency	An overview of the countries from which Saudi Arabia is importing the product and their value/volume and share in total imports
10	Value chain analysis	The process or activities that would potentially need to be carried out to deliver the underlying product or service
11	Key stakeholders	Government institutions, organizations, and/or authorities that participate or influence the market for the underlying product/service
12	Enablers	Factors that enable investment in the underlying opportunity
13	Cost of doing business in KSA	Key factors that position KSA as a competitive destination for investment in the region

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