



The First Producer of Hot Briquetted Iron (HBI) in Iran

Saba Steel
Persian Gulf



Factory address

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Address

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ABOUT US .

The steel industry is undergoing development in energy-rich and iron-rich regions, such as the Middle East and Iran. Given our country's relative advantage and the need for national economic growth, it is crucial to achieve the objectives of national steel industry development programs. As part of the comprehensive national steel project, Persian Gulf Saba Steel Company is the pioneering producer of sponge iron in Iran, with a nominal capacity of 1,500,000 tons. This will enable our country to meet the annual economic growth requirements and establish a significant position in the regional and global steel market

There is a limited number of briquette producers worldwide, and Saba Steel is recognized as one of the prominent steel companies that focuses on export. In fact, it is among the top three leading global exporters of briquettes, with 50% of its production being dedicated to exports. Situated within the special economic zone of the Persian Gulf Mining and Metal Industries, Persian Gulf Saba Steel Company serves as a notable exemplar of meticulous land use planning and suitable location for mining and metal industries in the country. Saba Steel has easy access to the port dock through her placement in the Persian Gulf Special Zone, creating special conditions to facilitate the export of this company. This company enjoys favorable conditions for sourcing raw materials as it is strategically located near iron ore mines. With careful planning in place, Saba Steel is actively progressing towards the execution of development projects. These endeavors encompass extensive job creation, the realization of full production capacity, and the expansion of the company's operations towards the steel melting and steelmaking processes. This goal will be achieved through the dedicated efforts of a skilled and motivated workforce consisting of native and young talents at Saba Steel



Factory Specifications

Mega Module Sponge Iron

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Mega Module Sponge Iron

Project Contractor: Iran International Engineering Company (IRITEC)

Operational Date
(2016)

Start Date:2009

cubic meters 42,000 : Concrete Structure Volume

Technology:MIDREX

Product: HBI – HDRI

Raw Material : Iron
Ore Pellets

Capacity: 1.5 million
tons per year

Equipment weight :
19,574 tons

Metal Frame Weight:
8,133 tons

Excavation Volume: 1,600,000 square meters



Company Introduction

Persian Gulf Saba Steel Company is considered the inaugural manufacturer of sponge iron briquettes in Iran, boasting an annual production capacity of one and a half million tons. The company's possession of crucial advantages, such as its placement in the special economic zone for mining and metal industries in the Persian Gulf, utilization of appropriate infrastructure in the area, proximity to railways, access to important national ports and international waters, availability of road transportation facilities, and close proximity to iron ore mines and pelletizing plants, has elevated it to the status of a strategic producer in the steel industry for our country

Product Introduction

HBI Advantages

All DRI Usage

Lack of Self-Igniting

Safe Transportation

Reducing Shipping Risk

Minimum risk of overheating during storage in outdoor area

Continuous charging capability in EAF

Basket charging capability in EAF

Preheating Capability for charging in EAF

PRODUCT INTRODUCTION ADVANTAGES OF HBI PRODUCT

Fe total: $87 \pm 1\%$

Fe metallic: $79 \pm 1\%$

Metallization: min 90%

Carbon: 0.8-1.5%

Gangue: 6.5%

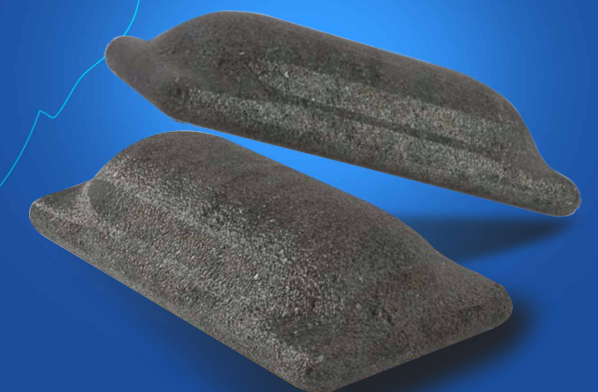
S: max 0.01%

Apparent density (kg/m³): 4.5-5

P: max 0.05%

Bulk density (kg/m³): 2400-2500

Size (mm): 144*54*35



»»» Development plans



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Construction of a rolling mill facility

Construction of a rolling mill facility for the production of seamless pipes and heavy sections



Construction of a steelmaking and casting unit

Establishment of a steelmaking and casting facility for the production of steel billets and steel slabs



Construction of a steelmaking and casting unit

Establishment of a steelmaking and casting facility for the production of steel billets and steel slabs



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Advantages and strengths of implementing the plan in the Persian Gulf Mining and Metal Industries Special Economic Zone

Presence in one of the strategic locations (Strait of Hormuz with easy access to international waters

Existence of railway infrastructure, including two main railway lines with a dedicated maneuver station for financial supply

Presence of aviation infrastructure, including easy access to international airports in Bandar Abbas

Presence of maritime infrastructure, including loading and unloading docks for mineral exports

Existence of desalination plants in the region

Continuous gas supply possibility from the seventh national pipeline known as the Peace Pipeline

Adjacency to the 1200-megawatt power plant in Bandar Abbas

