گردیزی ستیل

GARDIZI STEEL

THE STRENGTH OF YOUR BUILDING!

Contact information

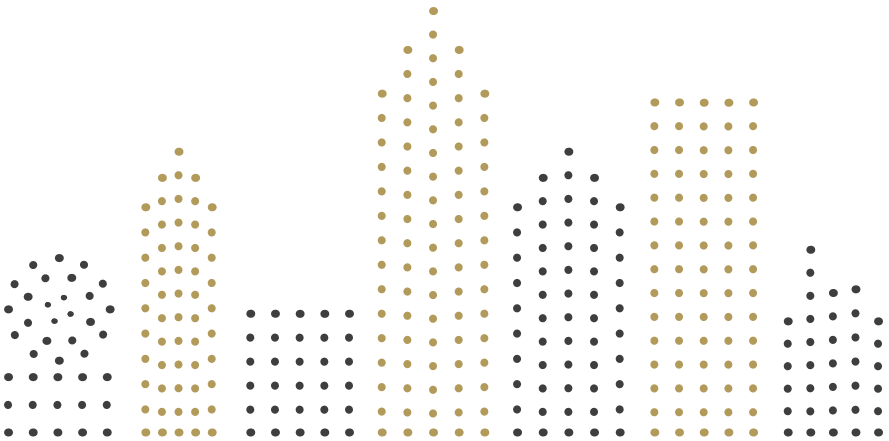
Name : Fazel Huq Hamidi
Webiste : www.gardizisteel.com

Details of individual/s who will serve as the point of contact

Name : Waheedullah Gardizi
Designation : CEO
Telephone : 0093202213737
Email : info@gardizisteel.com
Mobile : 0093773000005

Table of Contents

S.No.	Items	Page No.
1	Statement of Intent	4
2	Why Gardizi Steel	5
3	About Gardizi Steel	6
4	Benefits from the Plant	14
4.1	Economy	14
4.2	Trade	15
4.3	Generation of Emplyoment	16
4.4	Sustainable Development	17
4.5	Welfare of the Society	18
4.6	Health and Safety	19
4.7	Human Resources	20



گردیزی ستیل
GARDIZI STEEL
THE STRENGTH OF YOUR BUILDING!

Statement of Intent

Trade deficit is one of the most critical elements affecting the economy of Afghanistan. The Afghan government is dedicated to empowering the private sector by promoting small businesses and cross-border trade. However, despite being home to Asia's largest source of untapped iron ore deposits, Afghanistan still imports a considerable sum of steel every year. This is due to a lack of infrastructure that would manufacture enough steel and construction materials to meet the requirements of our developing country. Gardizi Steel aspires to discount this negative balance of steel trade by setting up its steel plant in Afghanistan.

Nestled between the Kush Mountains, the valley city of Kabul would serve as the base location of the Gardizi Steel Plant. By setting up this plant in the epicentre of activity in Afghanistan, we further aim to make a positive impact in the Afghanistan economy. The plant would bring a change in people's lives by providing them with direct and indirect sources of employment. It will tap the Hajigak mine for its resources and will not only ensure that Afghanistan's raw material sources are well utilised, but will also contribute towards bringing down the construction costs in the country.

Post the extraction of iron ore resources by the government, Gardizi Steel plans to reduce Afghanistan's trade deficit by facilitating business with neighbouring nations. We plan to export our steel products to the adjoining Arab countries as well. Since this is the beginning of our investment, we also plan to upgrade our plant from an output of 150,000 MT per annum to an output of 300,000 MT per annum.

To ensure successful and efficient engagement of the plant, the Gardizi Group requests to help us in achieving our intent. Through this proposal, we aim to highlight how the Gardizi Steel Plant can benefit Afghanistan's economy and contribute towards the overall welfare of the society.

Why Gardizi Steel?

A reputed name in the Steel Industry of Afghanistan, Gardizi Steel is dedicated to delivering quality service to its clients. We have worked hard to establish ourselves as a class apart when it comes to large-scale steel supplying, and we would like to take it a notch higher by manufacturing our own steel products.

Mission and Vision:

Our mission and vision align well with what we want to achieve, and it's also what has helped us get so far. Our mission to provide our customers with quality service and everyday low prices is what has helped to establish ourselves as a brand the people of Afghanistan have come to know and trust. This has further helped to build our vision of building maintaining high expectations with clients when it comes to delivering quality steel products with excellent service.

After establishing ourselves on these maxims, we now want to stretch ourselves by setting up our own manufacturing practices. We want to give back to the society and contribute to its welfare by creating job opportunities for the people. We would train them in various processes to ensure that the acumen is not concentrated to a few.

Gardizi Steel would not only manufacture steel to Afghanistan, but we're also looking to export our products to contribute in overseas trade and thereby hope to make a positive impact on the economy.

We hope that the Government of Afghanistan would cooperate in bringing us a step closer towards fulfilling our project.

What is Gardizi Steel?

The Gardizi Steel Company is a division of the Gardizi Group, one of the leading distributors of steel products in Afghanistan. Afghan owned and operated in its entirety, Gardizi Steel is a well-known name in the steel and iron market. At its inception some thirty years ago, the Gardizi Group first began its operations with steel supply trading and later diversified into numerous consumer and industrial sectors and has now expanded its operations to Central Asia and the Middle-East as well.

Our strategically located storage facilities and delivery points empower us to cater to our customers by providing them prompt and reliable delivery of any amount of products at any point in the country. The Gardizi Steel Company has worked hard to become diverse across geographical locations and business sections like vehicle sale, construction & real-estate, steel imports & supply, hotels & hospitality, and logistics & transportation.

Our mission of providing quality customer service is complemented by a diverse team of dedicated professionals spanning across the length of the country. Our team members have personal experience of living and working abroad and are accoladed for playing an active role in the solution making process. They are also aware of the various international standards required for the products we manufacture to our clients throughout the country. Our "Can-Do" staff strives to deliver excellence to keep up with the high expectations of our clients. We reward our staff for:

- Becoming part of the solution and delivering results
- Learning from faults and endeavoring to improve
- Setting high morals for themselves and others
- Understanding and embracing our values

We strive hard to deliver products that meet international standards. Our team of well-trained engineers utilizes modern machinery to generate products that meet the highest quality standards. A well-known name in the Afghan Steel Industry, Gardizi Steel has the quality, expertise, and people to manufacture efficient steel products in Afghanistan. Our manufacturing processes will also be compliant with all the environmental regulations and will install processes that will take necessary measures for the control of smoke and carbon dioxide emissions.

Aims and Maxims

The Gardizi Steel Company aims to convert visions into reality by making use of its advanced technology and complete inventory coupled with a commitment to innovation and a non-stop pursuit of process improvement. Our ambition is to contribute to the development of the economy by creating resourceful jobs and reducing the subsequent costs of construction. Business excellence is one of the impulses that push us to deliver better, and we achieve this by religious practising the following maxims:

- Maximum utilization of resources
- Sustainable practices
- Customer satisfaction
- Quality products
- Optimized processes

Equipped with modern and advanced technological equipment, we plan to deliver cost-efficient products to the Afghan construction market. We pride ourselves in efficient turnarounds and in giving quality customer service to our clients. The goals that we wish to achieve with this plant are:

- Production of High-Quality Steel Products
- Providing Excellent Customer Service
- Nationwide Services
- Exporting Products
- Providing Jobs for the Community
- Promoting the Manufacturing and Sales of
- Afghan-made Products

Our Vision

Our vision is to maintain and keep up with our clients' high expectations when it comes to the products that we deliver. Instead of relying on imports, we also aim to supply Afghanistan's local markets with our steel products, so as to eventually bridge the gap between demand and supply of steel products. We later look to expand our trading capacities by exporting our steel to neighbouring countries as well. Our dedicated and talented staff is trained to provide and help our clients with the goals they have in their mind. We promise excellence with our products and that's what we train our people to do.

Our Quality

The quality of our products will be at par with the promises made by us and will be aimed to provide customer satisfaction. Our manufacturing processes are designed to deliver products that promise consistent reliability, with our stringent quality control systems that will be based on the philosophy of Total Quality Management.

Our team of experienced and skilled professionals is trained in carrying out Gardizi Group's quality policies in the manufacturing of our products. Our quality policy focuses on performing stringent quality checks at every stage of production. This involves careful monitoring of materials and processes right from the procurement of raw material to the delivery and dispatch of final products. Through these quality checks, we aim to ensure customer satisfaction by consistently delivering products of superior quality.

We firmly believe in continuous progress, therefore, our manufacturing systems will be regularly upgraded to achieve better quality resulting in customer satisfaction. All our steel products will go through the following stages of manufacturing before they get delivered to the mass market:

- Composition testing and segregation of raw material
- Conversion of raw material into molten metal, regular composition testing of batches
- Composition testing and temperature check of molten metal before casting
- Quality checks like weight and temperature checks performed on billets

Our machines are compliant with GS-35B specification, which is a medium mu triode that provides service with a yield of 13 db.

Our steel is of the highest quality and conforms to Russia & USA ASTM Grading System of A400, Class A3, and Grade 60.

Our Products

Gardizi Steel caters to the following products:

Reinforcement Steel Bars

Reinforcement steel bars or rebars are essentially a mesh of steel wires or bars and are used as a tension device during construction to strengthen the hold of concrete.

- Bar Size: 8 – 40 mm.
- Steel Grades: Low, Medium Carbon Steels
- Starting Billet: Continuously cast 100mx100mm square 3000 mm long weighing 234 Kg.
- Steel quality conforming to Russia & USA ASTM Grading System of A400, Class A3, and Grade 60

Steel Angle Bars

These bars are used for the construction of structures like bridges, vessels, beams, and the like. They offer remarkable construction strength and are thus used in heavy construction.

Equal Angle Bars

These can be used for numerous applications ranging from support frames to machineries and plant facilities. These can be employed for buildings, railroads, bridges, ships, and industrial applications.

Unequal Angle Bars

These are similar to the equal angle bars, with only difference being that the side length of these bars is different. They are mostly used in construction structures, workshops, vehicles, bridges etc.

Steel C-Channel Bars

Steel C-channel bars are rectangular channels made of metal and are mostly used in harnessing, wire protection, and door framing.

Steel I-Beams

Made of structural steel, these beams are used to support materials of heavy loads. These come in different shapes and sizes but there are applications are mostly centered to construction and civil engineering.

Mild Steel Plates

These plates serve a variety of applications like flanging and forming, ship building, pipeline and gas equipment manufacturing, flooring, galvanizing pots, general steel structures etc.

Galvanized Sheets

These are thin, flat pieces of steel sheets covered with a thin coating of zinc for prevention from rusting. They can be either cut or bent for use in a variety of purposes.

Steel Box Sections

Mostly used for general fabrication and construction, these sections can either be square or rectangular boxes depending on the applications and requirements.

Square Tubes

These are most widely used in construction projects, industrial maintenance, transportation equipment, truck beds, agricultural implements, trailers and frames, etc. These are welded tubings and are available in A513 and A500 types.

Wire Rods

These have either a round, rectangular, or circular cross-sections and are used in automobile springs, industrial fasteners, industrial springs, auto components, welding, ball bearings, roller bearings, and similar applications.

Steel Channels

One of our most versatile products, these channels are available in a variety of sizes and thicknesses. These are one of the most common construction components and are used most primarily in civil engineering processes.

Our Machines

Our machines are devised from the latest technologies which hold the GS 35 specification and employ Uzbekistan Steel A400 class A3 Grade 60. They'll follow the environmental guidelines and will make sure that our manufacturing processes are not only efficient but sustainable as well. We will be employing:

Electric Induction Furnace

This is a melting furnace that uses electric currents to melt metals for industrial processes. The heat here is applied by the induction heating of metal. We'll be employing two sets of 15-tonne furnaces. This includes:

1. 2 sets of 8 tonnes Inductotherm Furnace with Transformer

- Two numbers of 3,250 KW, 500 Hz facilitated with VIP Power Supply Unit.
- Four numbers of 8 tonne Duraline Crucibles completely fitted in copper coil, lamination packets, FRP flats, etc. secured in tilting structure fitted with Hydraulic cylinder, inlet and outlet sub-manifolds.
- 2 sets of D.M. Water Circulation Unit complete with Plate Type heat exchanger, non-ferrous pump duly fitted with a standby pump, mix-bed Resin Cartridge, DM water storage tank with pressure gauge, valves and inter-connecting pipeline of stainless steel.
- 2 sets of Hydraulic power pack consisting of 3 phases Induction Motor Hydraulic Pumo duly fitted with a standby pump, oil storage tank, pressure gauge, valves, etc.
- 2 sets of Operator Control Desk for operations from furnace platforms fitted in main panel.
- 2 sets of Hydraulic Control Valve
- 4 sets of Copper Bus Bars from main panel to melting box (crucibles).
- 4 sets of Water Cooled Lead/Cables
- 4 sets of Water Manifolds
- 2 sets of Changeover/Selector Switches for switchover of power from one crucible to another.
- 2 sets of NEW Furnace Duty Transformers of 3,250 KVA.
- 2 sets of Copper Bus-Bar from Transformer to Main Power Supply Panel

2. 1 set of 15 tonnes Inductotherm Furnace with Transformer

- One number of 6,000 kW, 500 HZ facilitated with VIP Power Supply Unit.
- Two numbers of 15 tonne Duraline Crucibles complete fitted in copper coil, lamination packets, FRP flats etc. secured in tilting structure fitted with hydraulic cylinder, inlet & outlet sub-manifolds.
- 1 set of D.M. Water Circulation Unit complete with Plate Type Heat exchanger, non-ferrous pump duly fitted with a standby pump, mix-bed resin cartridge, DM water storage tank with pressure gauge, valves and inter-connecting pipelines of stainless steel.
- 1 set of Hydraulic Power Pack consisting of 3 phases Induction Motor Hydraulic Pump duly fitted with standby pump, oil storage tank, pressure guage, valves, etc.
- 1 Operator Control Desk for operations from furnace platform fitted in main panel.
- 1 Hydraulic Control Valve.
- 1 set of Copper Bus Bars from main panel to melting box (crucibles)
- 2 sets of water cooled lead/cables.
- 2 sets of water manifolds.
- 1 set of Changeover/Selector Switches for switchover of power from one crucible to another.
- 1 set of NEW Furnace Duty Transformer of 7,200 KVA.
- 1 set of Copper Bus-Bar from transformer to main power supply panel.

3. 1 set of 20 tonnes Inductotherm Furnace with Transformer

- One number of 8,000 kW, 200 HZ facilitated with VIP Power Supply Unit.
- Two numbers of 20 tonne Duraline Crucibles complete fitted in copper coil, lamination packets, FRP flats etc. secured in tilting structure fitted with hydraulic cylinder, inlet & outlet sub-manifolds.
- 1 set of D.M. Water Circulation Unit complete with Plate Type Heat exchanger, non-ferrous pump duly fitted with a standby pump, mix-bed resin cartridge, DM water storage tank with pressure gauge, valves and inter-connecting pipelines of stainless steel.
- 1 set of Hydraulic Power Pack consisting of 3 phases Induction Motor Hydraulic Pump duly fitted with standby pump, oil storage tank, pressure guage, valves, etc.
- 1 Operator Control Desk for operations from furnace platform fitted in main panel.
- 1 Hydraulic Control Valve.
- 1 set of Copper Bus Bars from main panel to melting box (crucibles)
- 2 sets of NEW water cooled lead/cables.
- 2 sets of water manifolds.
- 1 set of Changeover/Selector Switches for switchover of power from one crucible to another.
- 1 set of NEW Furnace Duty Transformer of 9,200 KVA.
- 1 set of Copper Bus-Bar from transformer to main power supply panel

CCM Blade Casting Machine

A standard production machine, this provides precise casts of blades of the required dimensions. The type and variety of blades are depended on the intended use and applications. The machine structure would comprise of:

- Casting Platform suitable to accommodate Tundish Car on one side.
- 6T/8T Ladle Holding Station (Ladle Stand)
- Intermediate Platform Approach Structure
- Tundish Car Rails
- Staircase and Handrails
- Removable covers in Mould Oscillation Drive area
- Chequred Plates
- Support Structure for Tundish Car Festoon Sytem
- Ladle Operator Platform

Apart from this, the casting process would also contain the following parts:

- Cooling Chamber Plates
- Exhaust Ducting
- Slag Trough
- Guards & Heat Protection
- Heat Shield at Casting Platform
- Partition Wall at Cutting Station
- Cover Plates at Intermediate & Discharge Roller Table
- Mould Canopy
- Support Structure for MODB
- Aluminum Wire Feeder Bracket
- Reciprocating Cover

Pinch Machine

This machine is used to roll different kinds of metal sheets into round or conical shapes. The metal shapes are subject to applications and designated areas of use.

Technical Description:

Name: Pinch Roll at Crop & Cobble Shear #1:
Type: Conventional, supported at both sides.
Pinion Crs. : 300 mm
Roll Diameter: 330 mm (maximum), 290 mm (minimum)
Roller Length: 250 mm
Material to be fed: 36 mm sq
Top Roll Pinching: Through pneumatic cylinder
Pneumatic Cylinder Ratings: Bore 200 mm & Stroke 150 mm
Cylinder Mounting: Trunnion Mounting (adjustable cushioning at both ends)
Drive to rolls: Through Worm Reduction Gear Box & 2-Hi Pinion Gear Box driven by DC Motor

Quenching System

This heat treatment plant is used for rapid cooling of heated systems by spraying them with water, oil, and brine at a moderated or high velocity. The quenching is performed to obtain certain material properties in the steel. It also prevents undesirable consequences like over-heating and fuming.

Rolling Speed at Finishing Stand for various Bar Sizes

S. No.	TMT Bar Size in mm	Linear Mill Speed in m/sec.
1.	8	18.00 m/s
2.	10	12.60 m/s
3.	12	09.00 m/s
4.	16	05.10 m/s
5.	20	05.10 m/s
6.	25	03.30 m/s
7.	28	02.50 m/s
8.	32	02.50 m/s

Bar Temperature at Entry

For Bar Sizes 8 to 32 mm:
Maximum Temperature of Bar at exit of Finishing Stand and entry of quenching line – 900 to 1000 degree Celsius.

Equalizing Temperature:

- Fe-415: 585 to 600 degree Celsius
- Fe-500: 570 to 585 degree Celsius
- Fe-550: 550 to 570 degree Celsius

Temperature Difference between Head and Tail end of Bar

- Maximum permissible temperature of 50 degree Celsius.

For Bars of Sizes 8 to 12mm, 16 to 25mm28 to 32 mm

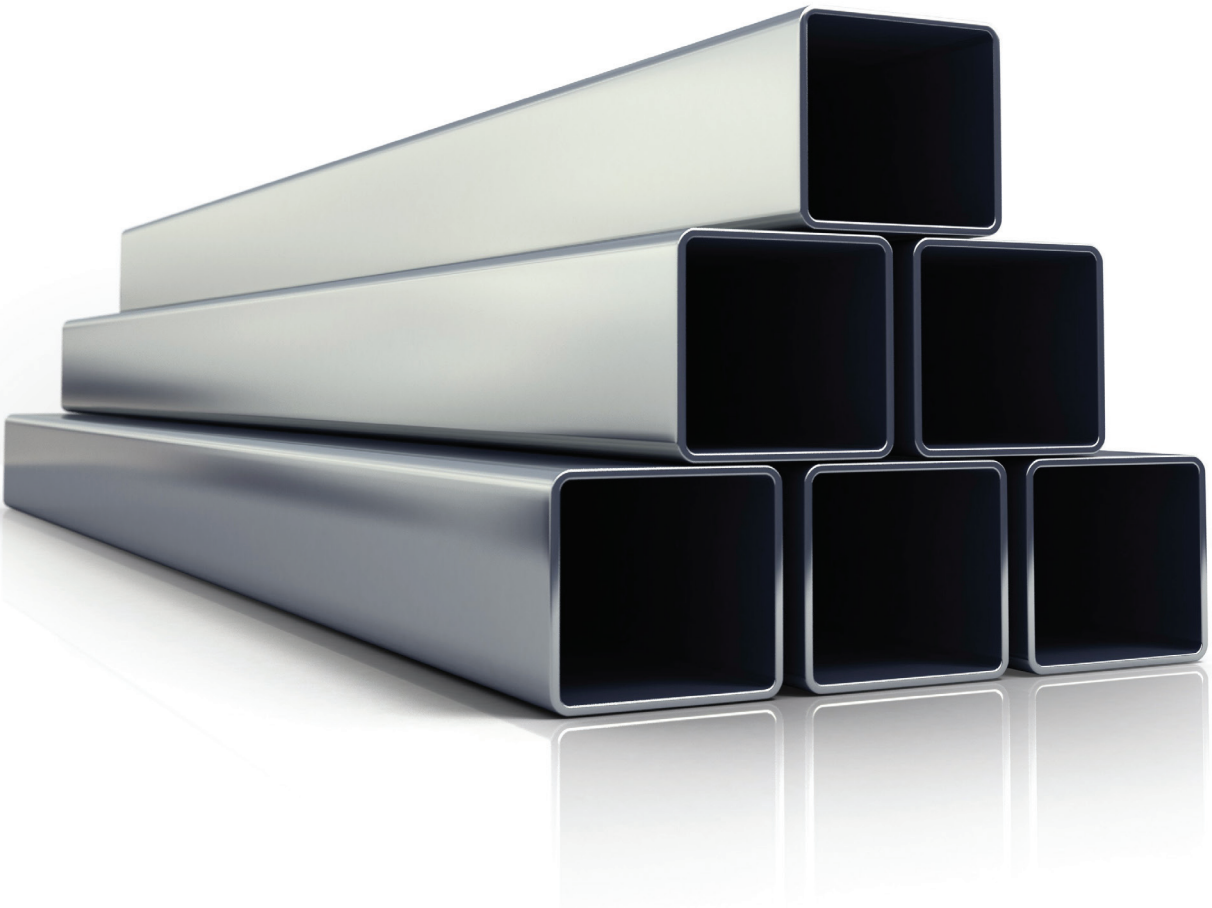
The Quenching Box will be designed specifically for these bars. A small range of variation will be made in pressure and flow of water, carbon equivalent of the input material, and linear speed. There will be an arrangement of special nozzles at the end of the quenching line for the purpose of drying the bars using compressed air. The bars will be produced on the cooling bed, and not on the coiler.

Temperature of finished bars

- 950 to 1000 degree Celsius.

Quenching Water Box

- Quenching pipes will be separately designed for bar sizes of 8 to 12 mm, 16 to 25mm, and 28 to 32 mm. This is for the following reasons:
- For smoother movement of the bars through the nozzles of the quenching pipes and to reduce mis-rolls in the quenching box.
- To ensure a more efficient cooling in the pipes for consistency in quality.
- To reduce water flow requirements, thereby cutting down pumping and other costs.



Benefits of The Plant

Economy

After several years of strife, Afghanistan's economy is slowly taking steps towards resurrection. Even though World Bank reports have indicated a significant increase in Afghanistan's GDP, yet our country continues to face serious economic problems. Despite being home to at least $ 3 trillion worth of un-mined mineral deposits, the country's economic growth is still facing serious problems. With the influx of Afghan refugees returning to their homeland the rate of unemployment continues to grow.

Therefore, it would help if the demand for goods and services would shift from imports to exports. This would not only reduce the costs, but would also encourage domestic production, and thus lead to more job opportunities. The commodities would be produced and consumed within the country, thus preventing cash from flowing outside.

The funding received from numerous foreign aids will prove a worthwhile investment if some proportions of it are spent on promoting the setting up of manufacturing plants. These manufacturing plants, in turn, would not only promote production but would also generate commodities for export.

With continued slow economic growth and insecurity regarding investment, agriculture is the principal sector driving Afghan economy. Due to this, our economy is majorly dependent on its imports; this trade deficit is largely due to the lack of relevant infrastructure. Previously involved in importing, Gardizi Steel is now looking to set up its factory to contribute to the development of steel industry in the country's market.

With the setting up of this steel plant, the Gardizi group aims to contribute to manufacturing its steel products, instead of importing them from foreign countries. With the Hajigak mine acting as the source of raw materials, the plant will ensure that Afghanistan's natural resources are utilized well. This will also ensure that these resources are utilized within the country instead of getting sourced to neighboring nations.

Establishment of the Gardizi Steel Plant would not only generate numerous direct and indirect employment opportunities for the surrounding residents, but would also and make sure that Afghanistan's scrap metal is utilized within the country itself. Through our scrupulous trade practices, we're also hoping to play an active role in stabilizing the country's currency rate. In the coming five years, our business plan aims to excel steel trade by exporting billets and steel to our neighbouring countries. Although we're presently importing steel from Pakistan and Iran, the Gardizi Group, with the setting up of its Steel Plant, hopes to reverse this scenario in the next few years.

According to a report by OEC, Afghanistan imported iron resources worth $25.3M in 2016. With the setting up of the Gardizi Steel Plant, we aim to play our part in bridging this gap between imports and exports by manufacturing our own steel by using our own resources as raw materials.

Trade

Afghanistan invests a considerable amount of raw capital in foreign trade. While the chief export market lies in natural gas and dried fruits, the imports include food, motor vehicles, petroleum products, and textiles.

According to a recent report by World Bank, ***"Trade as a Vehicle for Growth in Afghanistan: Challenges and Opportunities"***, insufficiency in production capacity is the most prominent constraint Afghanistan faces when it comes to trade. Poor logistics, high product concentration, and lack of economic diversification and appropriate infrastructure have put further limits on what we can do with our trade potential. When export of services is limited due to Afghanistan's small domestic market and even lower human capital, it is only the export of products that can give us the boost we need for a flourishing trade market.

Where private sector lacks investments and consequent opportunities for expansion, the setting up of even small factories and manufacturing plants would eventually go a long way in setting up a supportive environment where trade can productively flourish. As a result, the cropping up of small business would eventually lead to a reduction in time and cost of exporting commodities.

To enhance our economic potential, Afghanistan needs to substitute imports with exports, such that there is enough flow of trade to promote direct investment. Keeping in mind that the resources are limited, development of small plants and factories is not only feasible but appropriate as well. Policies that would focus on advocating trade and investment would help expand the scale of small as well as large business set-ups

Hence, to promote more exports from Afghanistan in the steel industry, Gardizi Steel is incorporating a number of strategies. So from a trading perspective, the Gardizi Steel Plant will look to expand its operations to not just manufacture products within the country, but will also take part in the cross-border trade by exporting its products to overseas clients.

The Gardizi steel plant will also contribute to improving Afghanistan's trade relations with India and other neighbouring countries by conducting trade and shipments through the Chabahar port. Previously limited to wheat export, we are also looking to facilitate steel trade through this port as well. This would not only improve exports by decreasing export delays related to customs and border procedures but would also reduce the risks involved in other modes of transportation. By increasing production capacity, we aspire to improve economic diversification by substituting imports with exports in the long-term.

Generation of Employment

The Gardizi Steel Plant would not only improve trade and domestic economy but would also provide employment opportunities across various domains. We aim to contribute to the development of the economy by generating one hundred thousand direct jobs and ten thousand indirect jobs. We will not just manufacture steel, but will also manufacture jobs.

With the introduction of the low-skilled, laborious processes brought about by manufacturing plants, there are now more opportunities for the unskilled workforce. These processes are then not only environmentally friendly in the longer run, but also promise a continuous source of employment for the people who are dependent on them.

The Gardizi Steel Plant would not only create jobs for the workforce it would directly employ, but it would also indirectly create various other sources of employment. The plant would generate business for many small businesses in terms of as well. We are looking at logistics like transportation, raw material supply, distribution, to name a few. As a matter of fact, we're looking at a figure of hundred thousand workmen as direct employees, another ten thousand workmen as indirect employees.

Our already diverse team of engineers would also work to train domestic talent to make them capable of finding reliable sources of employment within the country. This would not only create economic opportunities for the surrounding residents, but will also ensure that the Afghan human capital actively participates into promoting its economic growth.

Since Afghanistan is an emerging market, the costs of setting up the plant would not be too high. With a relatively low cost of production and while keeping the long-term perception on demand in mind, it is safe to assume that there will be a substantial growth in the emerging middle-income markets. It is then okay to conclude that where there is a lot of productivity, jobs will surely follow.

Some of the jobs offered by the steel plant would also be labor-intensive, low-value add jobs. These on-site jobs would promise a means of income for the thousands of Afghan refugees travelling back to the country. One of the key benefits that can be derived by its staff from the plant is the gain of knowledge-based capital. This capital can further their skills and income, thus ensuring a significant increase in the overall employability of the individual

Through this plant, we aim to make a difference in people's lives by enabling them to support themselves in their own country. We aspire for the people of Afghanistan to be able to lead comfortable lives in the country of their home without having to look for employment opportunities overseas.

Sustainable Development

In keeping regard to Afghanistan's Sustainable Development Goals (SDGs), we will ensure that our processes and machineries align with the environmental laws. We consider sustainable manufacturing as our business imperative. We will ensure that we manage our operations in a socially and environmentally responsible manner by taking special measures to ensure that our manufacturing processes are environmentally sustainable. We believe that environmental improvement goes together with development, and will thus contribute in our way towards a greener future.

We'll measure our processes to make sure that our products are manufactured in a way that provides minimum harm to the environment, are safe for the employees, and that they conserve energy and natural resource. Measures such as reducing the use of water and energy, reducing physical waste, and decreasing emissions from manufacturing processes are some of the practices we would be focusing on.

When we talk about sustainability, we are not just referring to our manufacturing practices; we're also making sure that we do not impact negatively on the surrounding areas and residential population as well. We'll make sure that our plant does not pose a hindrance to our neighbors' health. We wish for Afghanistan's name to become a prominent one when it comes to sustainable development, and we would actively contribute to it.

Our products would be created using materials that would have a minimum negative impact on the environment. To start with, we would make sure to use the scrap steel first, instead of mining out new ones for every consignment. Rigorous quality measures would be enforced to ensure that the products are of excellent quality. We actively endorse sustainable manufacturing, and it will be one of our most distinguished modus operandi. We would work on case studies, and EPA directed business models to come up with our own altered process to achieve sustainable manufacturing,

The Gardizi Steel Plant would not only look to the Hajigak mine for its resources but would also utilise the scrap pieces of steel provided by the Afghan government. This would not only ensure optimum resource utilization but will also contribute to sustainable production. We employ and specialise in Direct Hot Ruling machine, which does not involve reheating furnaces, thus promising an environmentally friendly method of manufacturing. Our machines are not just of the latest technology but are sustainable as well.

Welfare of the Society

Manufacturing factories and plants are not just critical for the very act of producing commodities but are also central to the economy. It is a fact well known that the developed nations over the past years have thrived on developing and setting up industries. The economic boom that came with industrialization in Europe in the 19th century, and the rise of China, Germany, US, and Japan in the 20th is still rewarding them with power and national wealth. Hence, setting up our steel plant would be a step forward in contributing to the nation's growth and prosperity.

Production control is something Afghanistan needs to survive well within the global production sphere. This can be achieved if set up more of manufacturing plants and factories and thereby control a significant portion of the commodities Afghanistan consumes. It is important to build infrastructure, but it is also important to build the components that supply the infrastructure. Hence, the commodities introduced by the plant would subsequently decrease the costs of construction.

What drives economic growth is not just one manufacturing industry, but the establishment of many more manufacturing industries that are dependent on each other. The development of the Gardizi Steel plant therefore would support several other small-scale businesses. This ripple effect of getting more industries set up would immensely contribute to the growth of the economy whose commodities affect and gain benefit from each other.

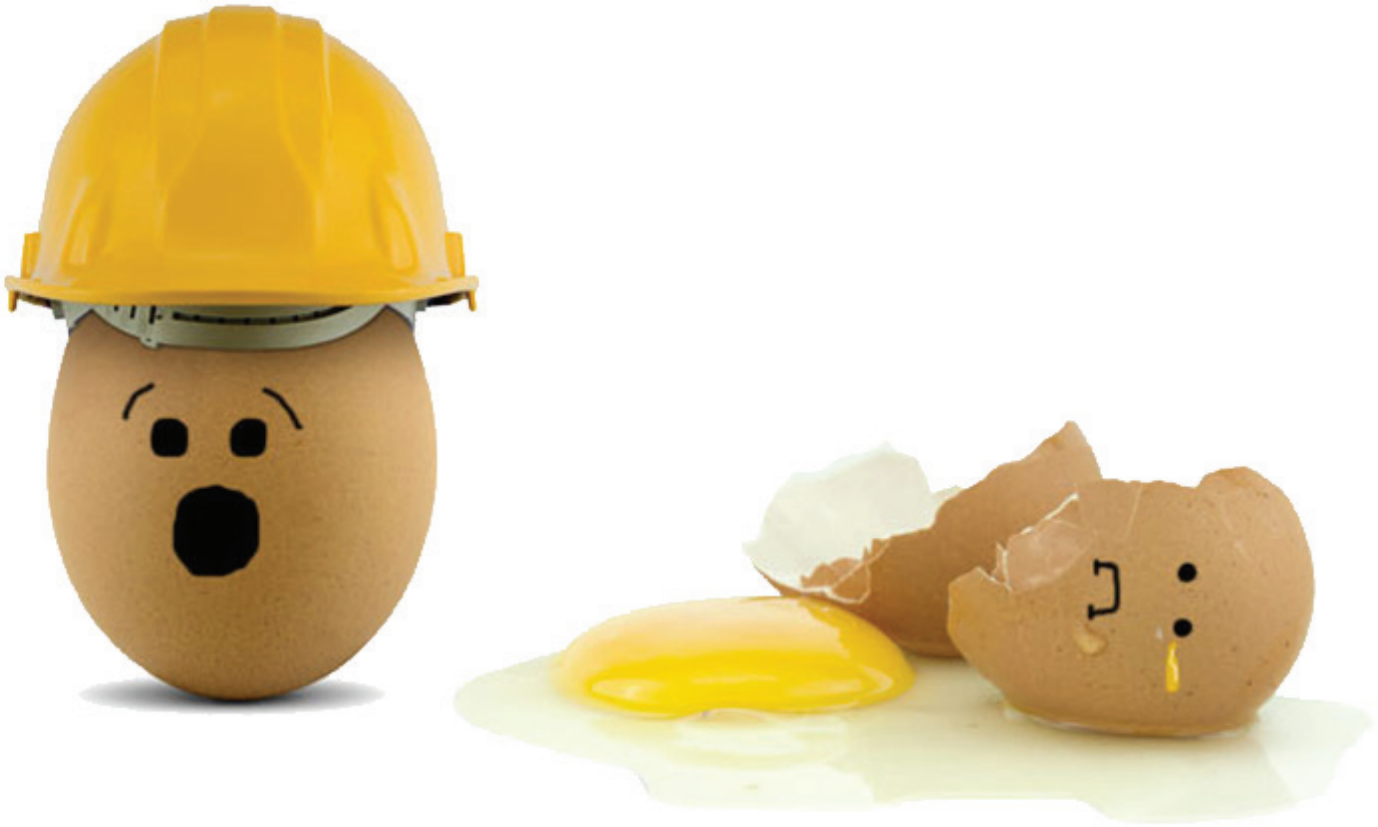
According to a report by the World Health Organization, the majority of the trade in the world is that of goods instead of services. Gardizi Steel is looking to export its steel once the plant is set-up, that is, it would also become a part of the active trade of goods. The more a company's economy is based on trading of goods, the more prosperous it becomes.

While it is a well-known fact that the trading of goods as commodities is important when it comes to the economic advancement of a country, it is also interesting to note that it is the goods that promote, or establish most services. Services inherently use manufactured goods for their function. This is made further evident by the fact that most of Afghanistan's imports and exports instead of services. Our steel plant would thus contribute in providing Afghan economy with more goods to trade.

Creation of economic wealth is another important factor that explains how the Gardizi Steel Plant would contribute to the welfare of the society. Purchase and consumption of imported goods and services make a nation poor. The steel plant would contribute to providing goods within the country without the need for importing them. Instead of importing products, Gradizi Steel would be exporting them.

The demand for manufactured products has been on consistent growth in the nation. This increased demand would result in better wages and working conditions of the factory workers. This would ensure that these workers can offer better lifestyles to their family, thus contributing to overall cultural development.

The highlight of the benefits from the plant is the welfare of society by job creation. According to a working paper published by the Economic Policy Institute, a manufacturing process job supports two to three other jobs in a particular economy. Our steel plant would create a number of direct and indirect jobs, starting from being involved in the very core of manufacturing processes to the transportation and distribution of the final product.



Health and Safety

We recognise employees of the Gardizi group as vital assets and hence have made necessary provisions for health and safety standards in our steel plant. According to Board of Directors of World Steel Association, "Nothing is more important than the safety and health of the people who work in the steel industry". Health, safety, and protection of employees are serious concerns that we abide entirely by. We acknowledge the advantages of a safe work environment and hence will adopt safety management practices to prevent hazardous events, avoid production and manpower losses, and eventual fallouts associated with accidents.

We also aim to assist employees' knowledge of operations, so that they may acquaint themselves with the safety measures to be followed. This would also lead to improvement in the functioning of technical procedures, maintenance of accurate safety information, and an increase in overall plant productivity. A safe workplace would not only contribute towards the plant's competitiveness but would also promote growth in the net profit.

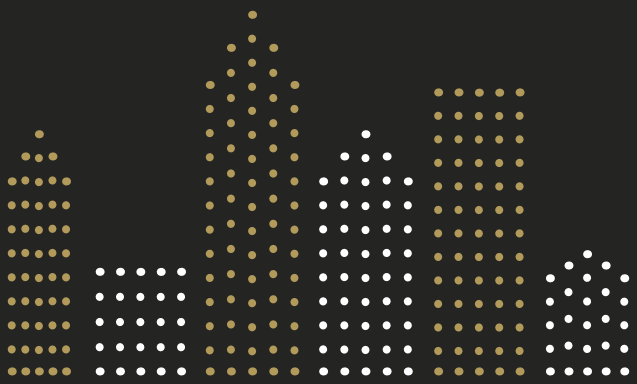
We consider creating an accident-free working space as our responsibility. We strive to reduce the number of accidents at work by assigning necessary priorities to safety. Since a safe way of working is a quality and efficient way of working, we will incorporate the following aspects for ensuring safety in our steel plant:

- The condition of the workplace environment, i.e., housekeeping, physical plant safety, means of access, safe place of work, etc., are always kept in check against the industry health and safety guidelines.
- Employees are continuously trained, updated, and made aware of the guidelines regarding the application of safe systems of work.
- Provision of 24x7 emergency clinics with first aid.

Human Resources

Gardizi Steel strongly believes in establishing a system that promises transparency, fairness, and equality in its dealings with the employees. Since a steel plant requires stringent adherence to processes, hence, we empower our employees to take responsibility and accountability. We believe that the employees are our most important resource and are committed to providing a work culture that promotes teamwork and values innovativeness. As a steel plant, we aim to provide an environment that motivates our employees to deliver maximum productivity. We provide our employees with growth opportunities and help them in developing the necessary skills and knowledge that would enable them in paving the way for a brighter career. We also believe in developing an active communication channel for our employees, so that they can address the management for any possible issues.

The key factors that we focus on in our HR policies include employee relations, employee participation, employee development, work-life management, welfare administration, and grievance redressal. Our HR policies and practices ensure that the well-being of the employees is maintained while enhancing happiness and workforce productivity. We also aim at driving strong relations and believe in nurturing career growth and aspirations while fostering a healthy work-life balance.



گردیزی ستیل

GARDIZI STEEL

THE STRENGTH OF YOUR BUILDING!