STRONGER FUTURE

# ZIA STEEL

STRENGTH THROUGH QUALITY









"And we sent down iron, in which is severe strength and benefits for mankind verily in this is a sign for people who reflect."

(Al Quran – Surah Al Hadid, Verse-25)

## TABLE OF CONTENTS

MISSION

PAGE 03 HISTORY

SAGES TIME LINE

PRODUCTION FACILITY

PRODUCTION PROCESS

ORGANIZATION

PAGE 15 QUALITY POLICY

PRODUCT LINE

TECHNICAL SPECIFICATIONS

PAGE 23 HRM

PAGE 25 ENVIRONMENT & SAFETY

PROJECTS

PAGE 39 PROFILE & CERTIFICATIONS

GO GREEN

## 02 HISTORY

ZIA STEEL RE-ROLLING MILLS



## STRENGTH THROUGH QUALITY

## ZIA STEEL HISTORY

Zia Steel was founded on a consistent philosophy: to be able to deliver the range and quality of products in line with customers' needs. Successful attainment of these goals is on our agenda to achieve high value targets in this family run business of steel in order to contribute to the prosperous future of the company and our country.

## 03 TIME LINE

ZIA STEEL RE-ROLLING MILLS







#### I ZIA STEEL

Our first establishment in the Steel Industry of Pakistan. We started with the traditional Steel Furnace technology in Gadoon KPK.

#### I ZIA STEEL

Our Steel Furnace expansion continued in Islamabad I-10 Industrial sector.

#### I ZIA STEEL

Installed Induction Furnace technology with more accurate and precise melting results.

## ZIA STEEL

RENGTH THROUGH QUALITY



#### I ZIA STEEL

New installations made to enhance production capacity by 8 tons per hour.



#### I ZIA STEEL

Entered the Re Rolling Industry with high aim and innovative zeal



#### ZIA STEEL

We strive to foster our presence across Pakistan.

#### **OUR PROMISE**

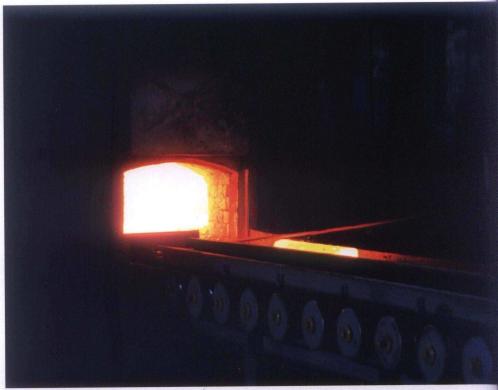
> QUALITY

> HONEST DEALING

> ON TIME DELIVERY

> CUSTOMER SATISFACTION

## 14 PRODUCTION FACILITY



Capacity of Furnace: 120 Tons per day approx. Re rolling: 150 tons per day approx.

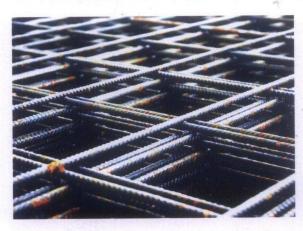


#### \*Pakistan Steel Billets Purchase

5000 tons per year

#### **Steel Billets Production**

40,000 tons per year



**Steel Bars Production** 

55,000 tons per year

## ZIA STEEL

STRENGTH THROUGH QUALITY

PRODUCING SAFE STEEL UAN +92 51 111 942 [ZIA] 111 FAX +92 51 443 4097 URL www.ZIASTEELMILLS.com

## 15 PRODUCTION PROCESS

#### ZIA STEEL **RE-ROLLING MILLS**

Our production process plays the most vital role as it transforms a range of inputs into an accurate output that is required by our customer. We continue to endeavor to reach our ultimate goal of zero error through frequent attainment of samples of steel bars.

Primarily import of best quality steel scrap plays an important part in producing the quality steel billets.

Following are some of the countries from where we import our steel scrap.



















#### INDUCTION FURNACE = STEEL BILLETS



Importing of best quality Steel Scran





Induction melting with finest production standards



Frequent attainment of samples of molten



Identifying the proper size of the final product through samples





Fulfilling the final requirement of molten steel by mixing of high quality / costly chemicals



#### **RE-ROLLING = FINAL PRODUCT**

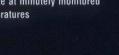


**Cutting of quality steel** billets for appropriate





Warming up of high quality Zia Steel billets in gas furnace at minutely monitored temperatures





Graded lots of final products, Ready for Delivery



Rolling through minimum 08 or maximum 10 rolling stations to ensure best quality under strict supervision



Cooling the steel bars through cooling bed

## 06 ORGANIZATION

"STRENGTH THROUGH QUALITY" IS OUR MOTTO AND OUR STRONG BELIEF IN IT HAS BROUGHT US TO WHERE WE ARE TODAY".

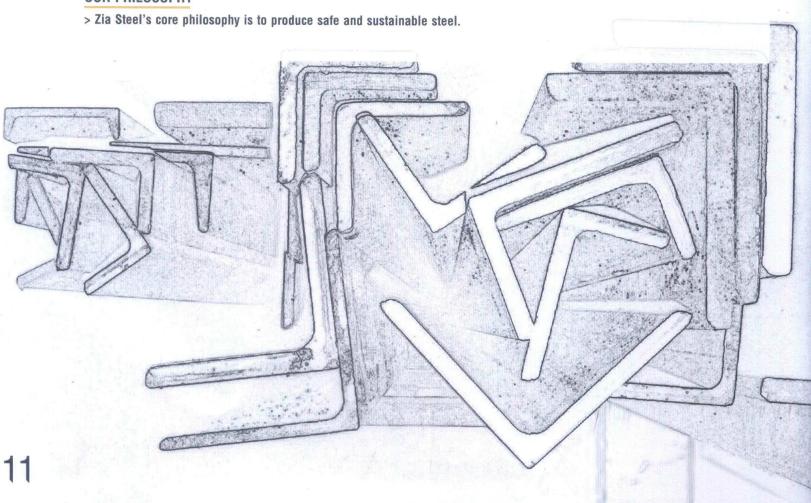
Zia Steel with its quality assurance of its materials and service has managed to rise in this competitive world of steel.

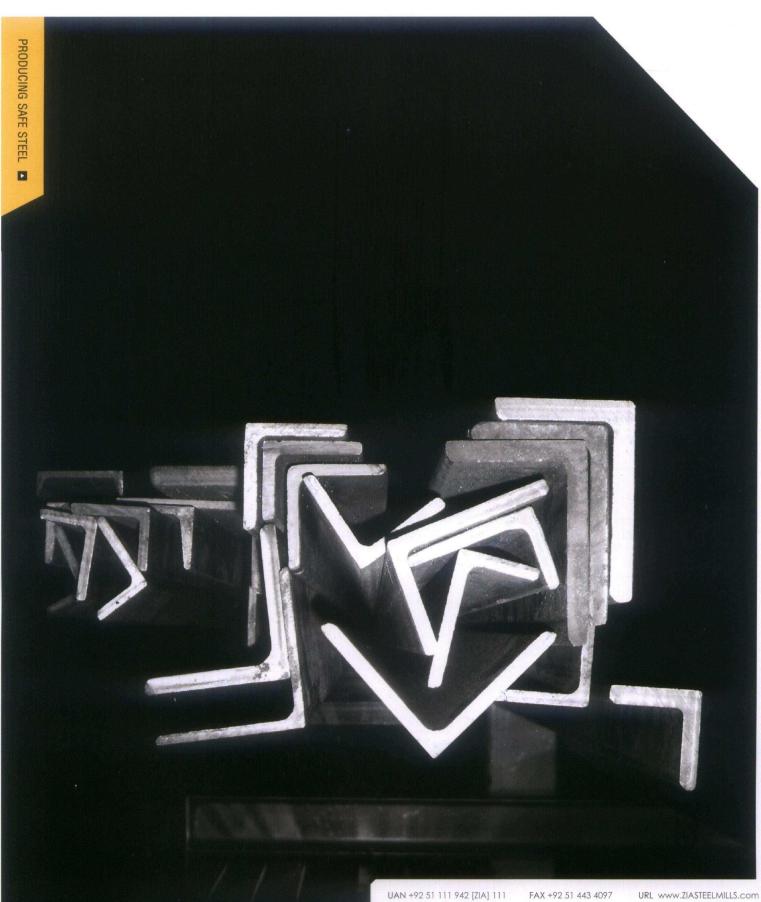
Zia Steel is one of the leading Steel Manufacturing Firms in the country, with leading technology, as well as sizeable captive supplies of raw materials and outstanding distribution of the finished products.

With an industrial presence since 1992, the company covers major markets and projects, from emerging to mature, through its core values of sustainability and quality.

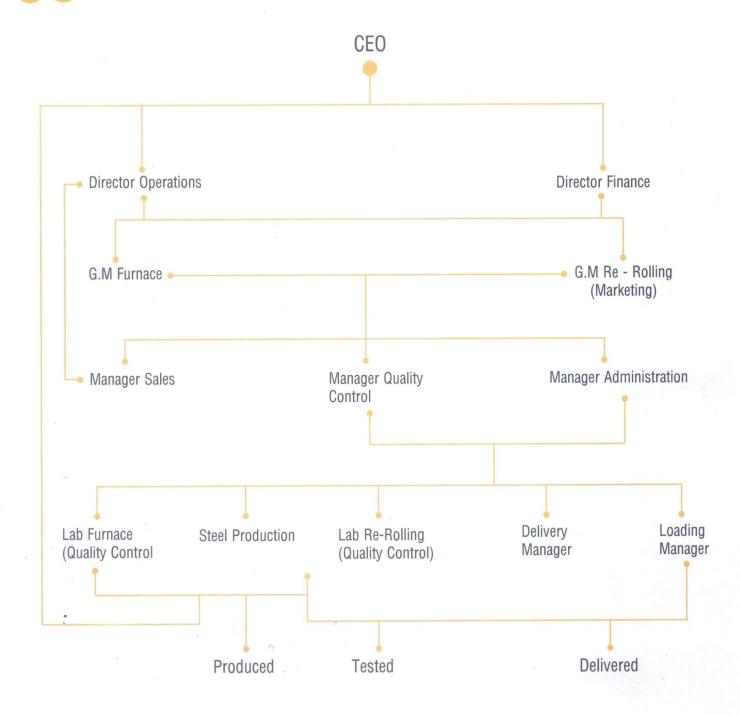
Zia Steel commits to operate in a responsible way with respect to the health, safety and well-being of its employees, contractors and the communities in which it operates. We are committed to the sustainable management of the environment and of finite resources.

#### **OUR PHILOSOPHY**





## 06 ORGANIZATIONAL FLOW CHART





#### Organization

Collective teamwork has been the strength of the company in achieving the set goals and tasks for future accomplishment.



#### **Furnace**

Our Quality of steel bars is originated from our furnace. Today even after two decades, Zia Steel maintains one of the largest steel furnace equipment in the region with accurate and precise results.



#### Re-Rolling

Our Re-Rolling units are run by industry professionals who have over 30 years of unbeatable technical experience for producing top of the line steel products.

# ZIA STEEL CORPORATE STRUCTURE

At each level, employees need to understand strategy of the company, visualize the current structure, preplan for imminent change, and to communicate organizational challenges and their possible solutions across the hierarchy.

#### CEO ZIA STEEL

A competitive executive responsibly monitors company's processes, including major contribution in maintaining quality assurance and timely delivery of the products.

#### Director Operations

A highly competent director who manages all marketing, management and development activities in Furnace and Re-Rolling units.

#### Director Finance

An accurate administrator for directing and controlling distribution of finance and human resource in Furnace and Re-Rolling units.

#### G.M Furnace & Re-Rolling

These smart managers contribute a major role in making everything possible from selling to achieving the targeted revenues and costs of the company every year.



#### Operations

Our team of dedicated professionals follow our outlined standards to make & maintain our operations qualitative in both Furnace and Re-Rolling units.



#### Administration

We are proud of our administration for contributing its fullest towards development, and creating room for improvement for all its workers and making Zia Steel another success story of Pakistan in line with customer feedback.



#### Finance

Our experts on every level manage our finances effectively from basic bookkeeping to providing information to assisting managers and follow the banking procedures professionally.

## 07 QUALITY POLICY

Zia Steel is committed to being a supplier of choice by providing excellence in products and services by meeting or exceeding all customer requirements.

Here, at Zia Steel, we are maintaining the best quality control process to achieve high standard steel grades and finest steel bars.

In support of our Quality Policy, Zia Steel has established a formal quality management system based on ISO Quality Standards. Our Quality Systems Manager is responsible for ensuring the implementation and effectiveness of this system. Measures are established to provide Zia Steel management with customer feedback geared towards greater quality improvement.

#### **QUALITY ASSURANCE - TESTING**

Using advanced steel testing equipment, we at Zia Steel take in account the following while performing the quality and physical testing of steel samples.

- 1. Tensile Strength
- 2. Yield Strength
- 3. Elongation after fracture
- 4. Total elongation at maximum force
- 5. Ribs formation

Professionals working at Zia Steel laboratories derive the values for different types of material through specific formulae to enable them to quote their results to the QC manager.

After the test if an error is identified at any stage in the formation of steel, the whole lot is considered rejected and the material is sent back to be production line to be processed again. The quality team works round the clock in different shifts to eliminate the chances of minute errors to ensure the best quality of the steel.

#### **FEEDBACK**

> For additional information or to resolve any quality concerns, our quality assurance manager is always available. To get in touch, e-mail us today at info@ziasteel.com or call 111-942-111









## ZIA STEEL

STRENGTH THROUGH QUALITY



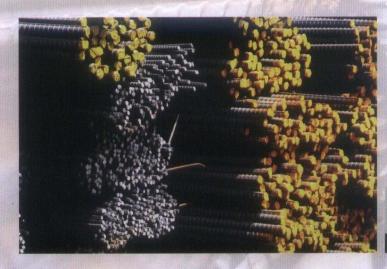


## 08 PRODUCTS

ZIA STEEL RE-ROLLING MILLS

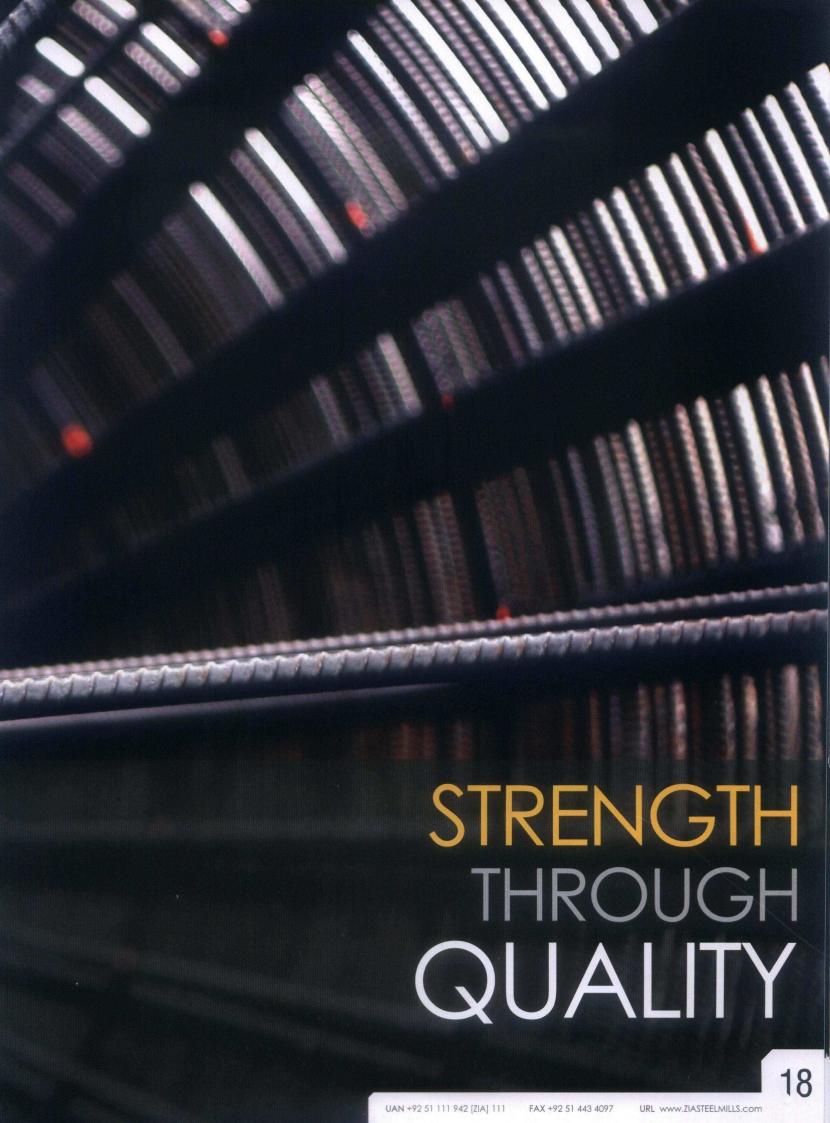
## PRODUCT LINE

RE-INFORCEMENT STEE



Deformed Bars Grade 40 - 60

Dia 8mm - 38mm



## 19 TECHNICAL SPECIFICATION

#### BARS SPECIFICATION

#### **BRITISH STANDARD B.S. 4449**

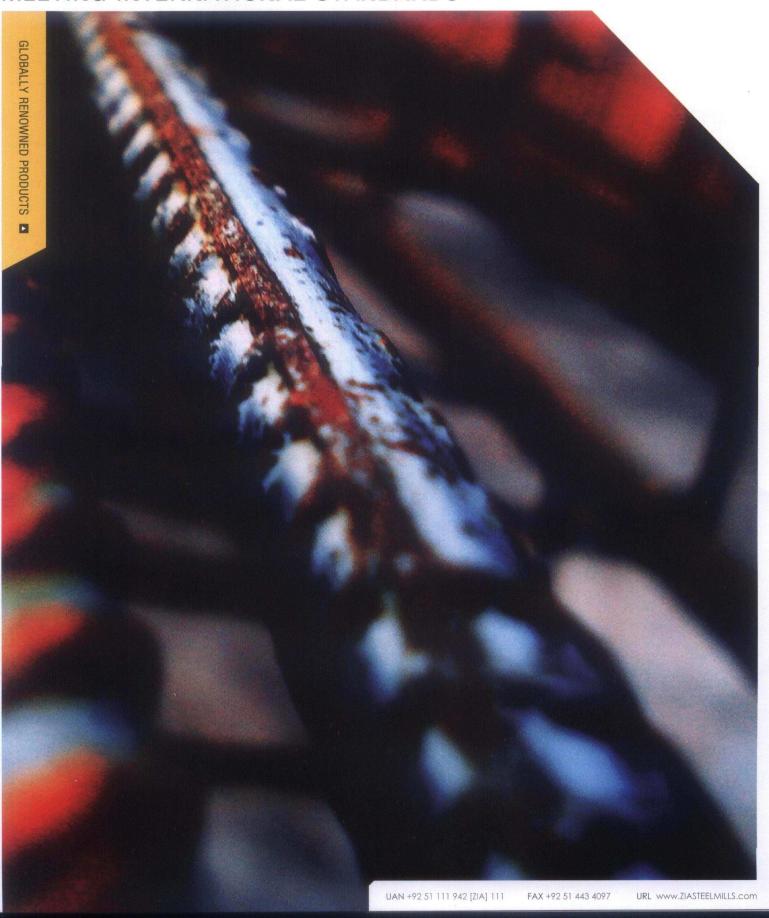
GRADE	CHARACTERISTIC STRENGHT	TENSILE STRENGTH	MINIMUM ELONGATION	TOLERANCE ON MASS %	
	N/ mm <sup>2</sup>   P. S. I	N/ mm <sup>2</sup> P. S. I			
250	250   36259	10 % > Yield strength	22 %	± 4.50 %	
460 A	460   66717	10 % > Yield strength	12 %	± 4.50 %	
460 B	460   66717	10 % ▶ Yield strength	14 %	± 4.50 %	

#### AMERICAN STANDARD (ASTM - A615 & A615M)

GRADE	CHARACTERISTIC STRENGHT	TENSILE STRENGTH	MINIMUM ELONGATION	TOLERANCE ON MASS %	
	N/ mm P. S. I	N/ mm <sup>2</sup>   P. S. I		a	
40	276.9   40000	484.5   60000	12 %	± 6.00 %	
60	415.3   60000	623 90000	09 %	± 6.00 %	

## ZIA STEEL

## MEETING INTERNATIONAL STANDARDS



## 19 TECHNICAL SPECIFICATION

#### WEIGHT & SIZES

#### **IMPERIAL**

Dia / Inch	M.M	Area In2	Lbs / Foot	Kgs / Foot	Metre / Ton	Foot / Ton	Feet / 50 Kgs
1/4	6.350	0.049	0.167	0.075	4024	13197	660
3/8	9.525	0.110	0.376	0.170	1788	5862	293
1/2	12.700	0.196	0.668	0.303	1006	3299	165
5/8	15.875	0.307	1.043	0.474	644	2113	106
3/4	19.050	0.442	1.502	0.682	447	1467	73
7/8	22.225	0.601	2.044	0.929	328	1078	54
1	25.400	0.785	2.670	1.213	251	825	41
1-1/8	28.575	0.994	3.380	1.536	199	652	33
1-1/4	31.750	1.227	4.172	1.896	161	528	26
1-3/8	34.925	1.485	5.050	2.295	133	436	22
1-1/2	38.100	1.766	6.010	2.731	112	367	18

> We use Pakistan Steel billets to endure high surface finish, and tight tolerance to maintain the superior quality of steel bars.

## ZIA STEEL

#### MEETING INTERNATIONAL STANDARDS

#### **METRIC**

Dia mm	Area mm2	Kg / metre	Kg / Ft.	Metre / Ton
6	28.2	0.222	0.067	4504
8	50.3	0.395	0.120	2532
10	78.5	0.617	0.188	1621
12	113.1	0.888	0.270	1126
14	153.9	1.208	0.368	828
16	201.1	1.578	0.480	634
18	245.5	1.998	0.609	500
20	314.2	2.466	0.751	406
22	380.1	2.984 0.909		335
28	615.8	4.834 1.473		207
32	804.3	6.313	1.924	158
36	1017.9	7.990	2.435	125
38	1134.2	8.903	2.713	112

#### **CHEMICAL COMPOSITION OF STEEL GRADES CAST ANALYSIS**

Element	Grade 40% (Max)	Grade 60 %(Max)
Carbon	0.25	0.25
Sulfur	0.060	0.050
Phosphorus	0.060	0.050
Nitrogen	0.012	0.012

## 1 HR MANAGEMENT

#### WE AT ZIA STEEL ARE COMMITTED TO PROVIDE OUR EMPLOYEES WITH OPTIMUM LEVEL OF FACILITIES AVAILABLE IN THE INDUSTRY.

Opportunities that we provide to our individuals are based on a shared commitment in order to devote their talents to benefit the business and to develop their careers.

To achieve these goals, we have in place the best HR processes and practices. Every concerned supervisor is responsible for implementing those practices.

Zia Steel provides full medical insurance in case of any incident. Standby generators and air coolers have been provided to our employees in their living rooms.

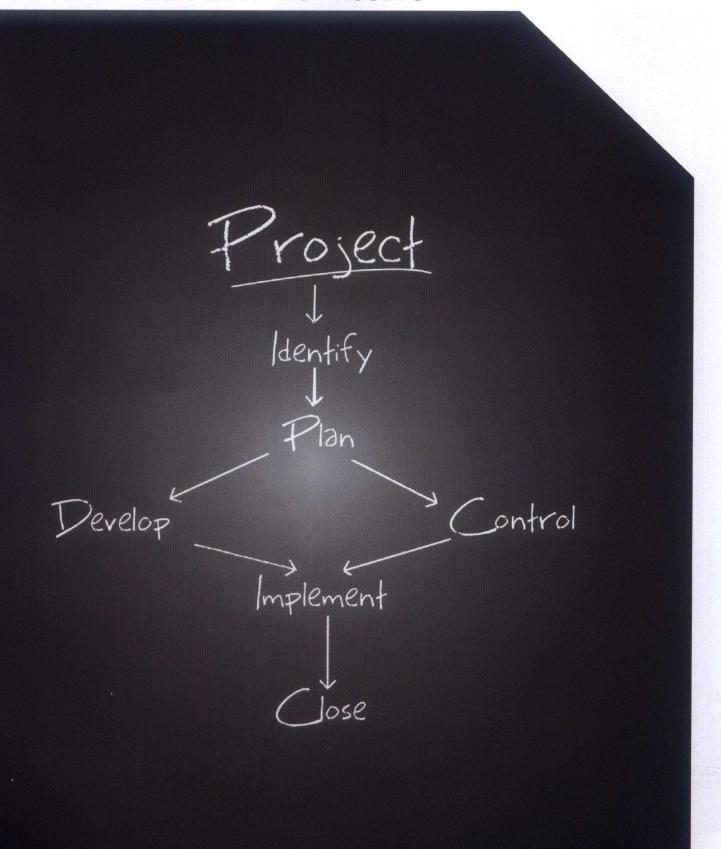
The company gives extra bonuses on basis of indivudial performances to improve collective productivity.

#### **WE PROVIDE TO OUR EMPLOYEES**

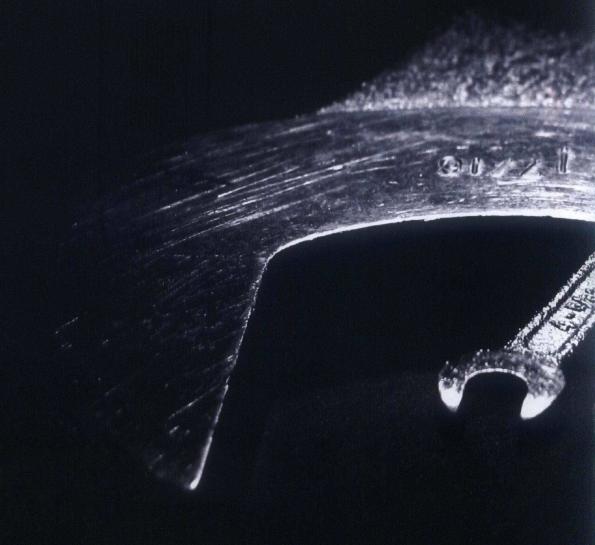
- Medical Cover
- Family Accident Cover
- Accommodation on Premises
- Rent Allowance
- Social Security Cover
- EOBI

## ZIA STEEL

#### WE CARE ABOUT OUR GREATEST ASSETS



## 11 ENVIRONMENT & SAFETY



# ENVIRONMENT & SAFETY

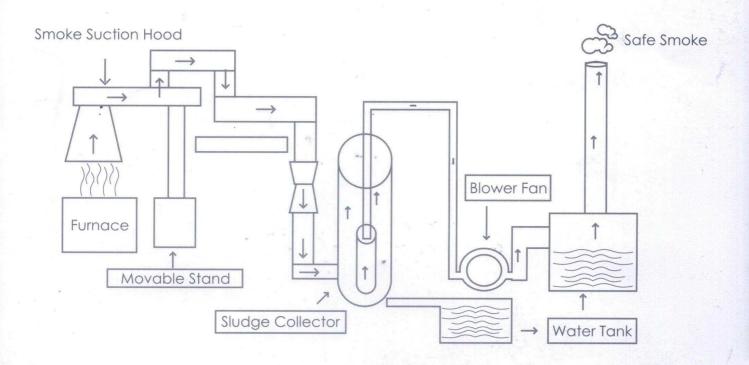
We, at Zia Steel, emphasize on keeping our facilities environment friendly.

We follow the most environment friendly standards including measures on health of our employed resources and development of safe steel production without damaging environment outside our mills. Our production process is clean, fast and relatively quiet, therefore disruption caused to community is kept to a minimum. Our team of skilled workers are employed in to work in good conditions and in a consistent manner which is predictable and sound. Our safety instructions for each activity and in emergency cases are formulated effectively and made publicly known to all employees.

#### **OUR COMMITMENT TO THE ENVIRONMENT**

We follow and use the undermentioned anti-pollution device throughout our production process in order to minimize the damage caused by carbon emissions to the atmosphere we breathe in.

#### THE DEVICE



## 12 PROJECTS

ZIA STEEL
RE-ROLLING MILLS

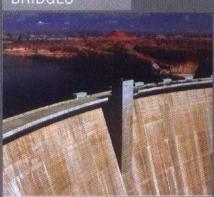
SCHOOLS



BUILDINGS



BRIDGES

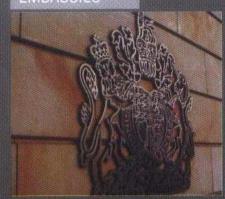


## STRENGTH THROUGH QUALITY

HOSPITALS



**EMBASSIES** 

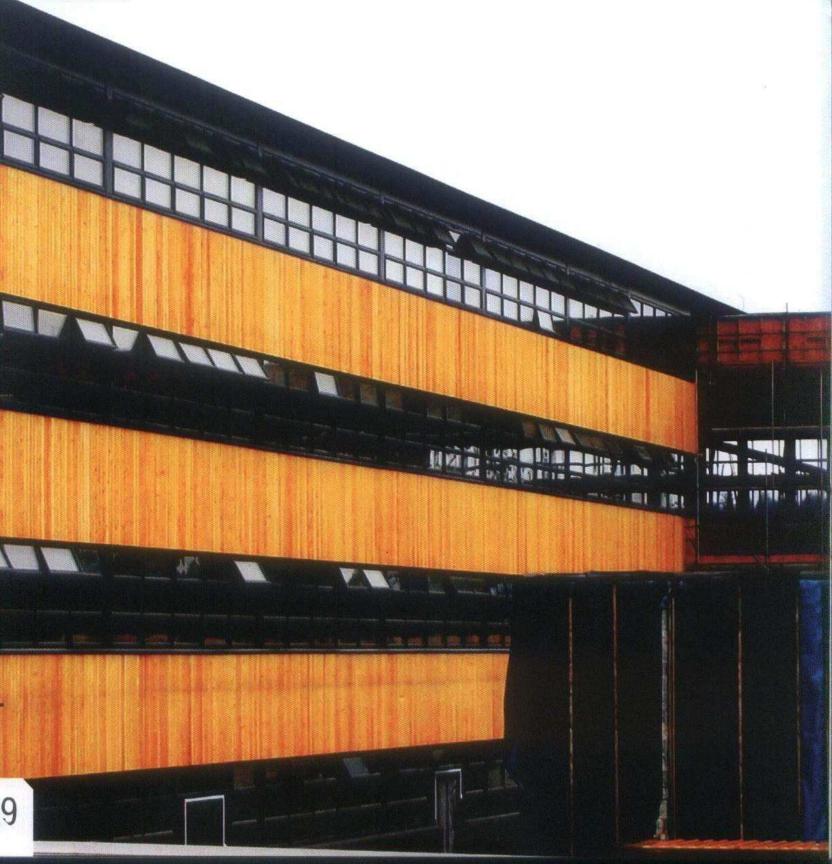


## \*SOME MAJOR PROJECTS

\*Completed & ongoing projects. New projects are conceived regularly

## PROJECTS

ZIA STEEL RE-ROLLING MILLS



## STRENGTH THROUGH THAILTY

#### SCHOOLS



#### Quaid-e-Azam University - Islamabad

- Construction & Extension of Hostels



#### Danish School System of Excellence - Mianwali

- A Project of Punjab Government



#### Danish School System of Excellence - D.G KHAN

- A Project of Punjab Government



#### Govt.Girls Degree College, Abbaspur - AJK

- A Project Funded by Kuwait and Saudi Arabia



#### Danish School System of Excellence - Muzaffargarh

- A Project of Punjab Government



#### Vigar-Un-Nisa College - Rawalpindi

- A Project of Punjab Government



#### Islamic International University - Islamabad

- Construction of IIUI Women Faculty Block



#### Polytechnic Institute, Taxila

A Project of TEVTA

## 12 PROJECTS

ZIA STEEL
RE-ROLLING MILLS

#### **GOVT & PRIVATE BUILDINGS**

0

FBR Building - Islamabad

- A Project of Ministry of Finance Islamabad

0

Petroleum House - Islamabad

- A Project of Ministry of Petroleum

0

Punjab Government Servants Housing Scheme - Rawalpindi

- A Project of Punjab Housing Foundation

0

Khalifa City, Garhi Habibullah

- A Project funded by UAE

0

Judicial Complex, Jhelum

- A Project of Ministry of Law & Justice , Punjab

0

Askari XIV Flats - Adyala Rd - Rawalpindi

- A Project of Askari Housing Directorate

0

**Grand Hyatt Hotel - Islamabad** 

- A Project of BNP PVT LIMITED

0

Mirador Villas - Islamabad

- A Project of EMAAR

0

Federal Tribunal Courts - Hayatabad - Peshawar

- A Projects of Ministry of Law & Justice , KPK

0

Construction of C & E Type Flats, G-11, Islamabad

- A Project of Pakistan Housing Authority ( PHA )

0

Park Lane Apartments - Rawalpindi

(

N-Block - G-5 - Islamabad

- A Project of PAEC

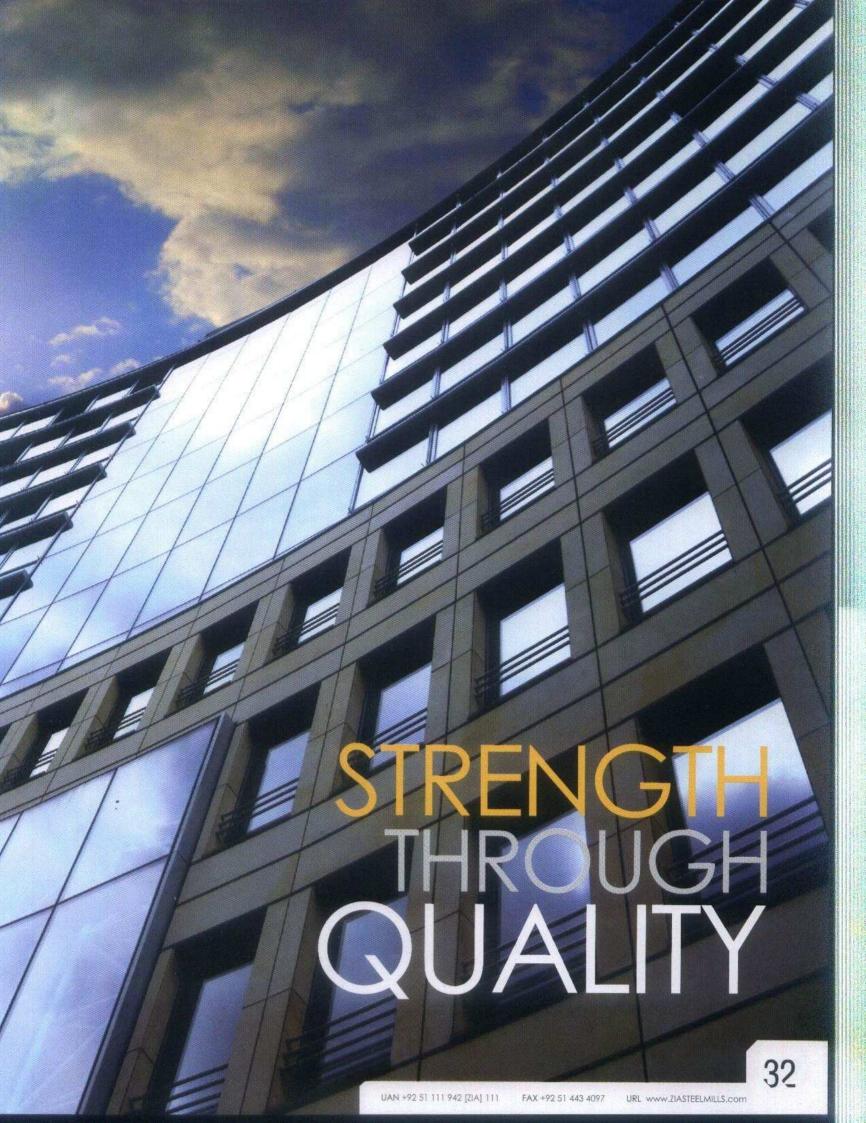
0

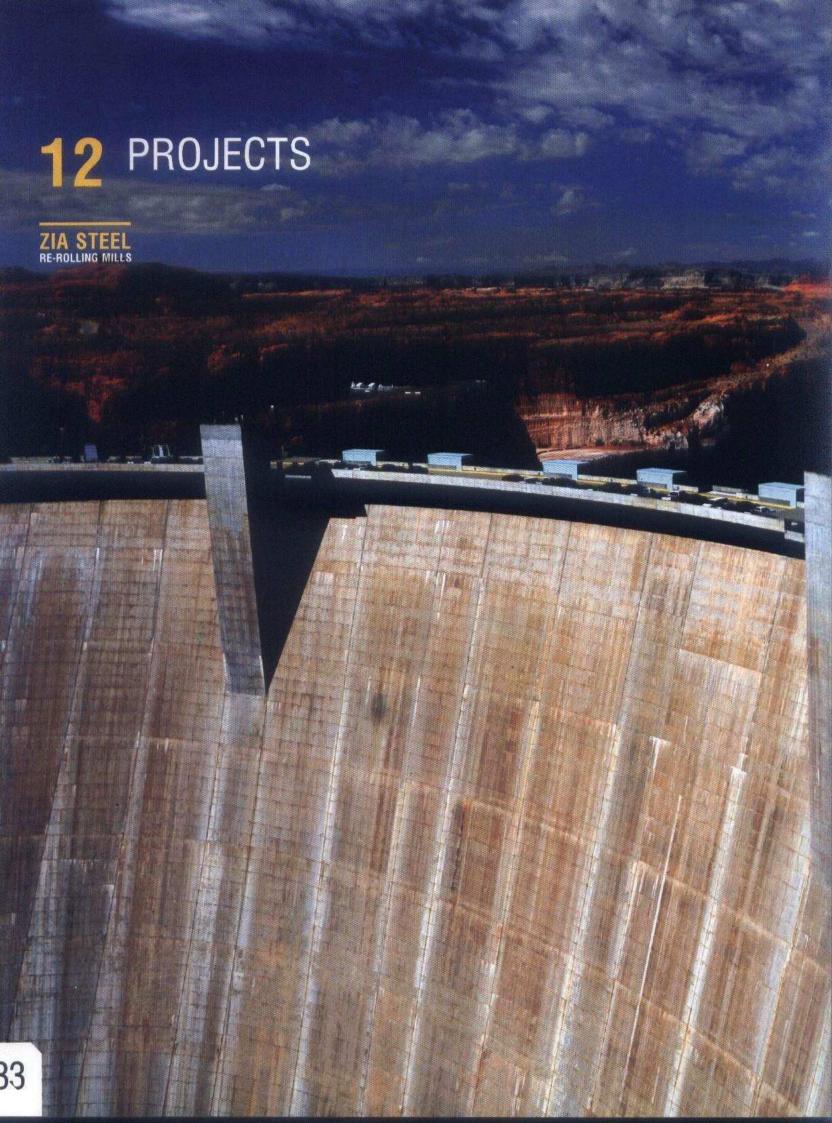
Golden Shopping Center - Rawalpindi

0

DHA Valley Homes - Islamabad

- A JV of DBH





# STRENGTH CHALTY

#### BRIDGES

0

Harrigil Bridge - AJK

0

Kohsitan Dasu Bridge - KPK

0

Construction of Padhar Nala - AJK

0

Khyber Bridge, Mansehra - KPK

(0)

**Bhount - AJK** 

0

Ayub Bridge, Swat - KPK

0

Bagh City Bridge - AJK

0

Kohsitan Dasu Bridge - KPK

0

Lohar Bela - AJK

# 12 PROJECTS ZIA STEEL RE-ROLLING MILLS 35

## STRENGTH THROUGH QUALITY

HOSPITALS



Cardiology Institute, Rawal Road - Rawalpindi

- Ministry of Health, Government of Punjab



DHQ Hospital, Hazro

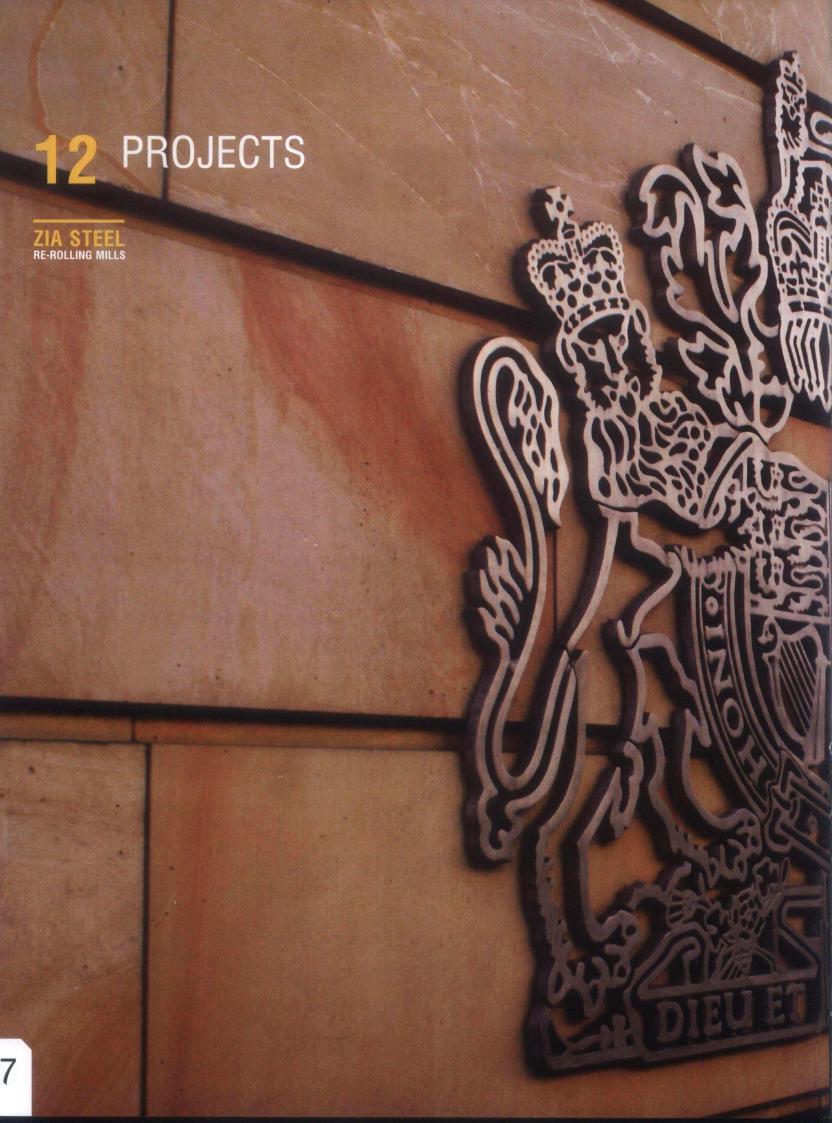
- A Project of Ministry of Health , Punjab



Cardiology Institute, Bahawalpur

- Ministry of Health , Government of Punjab

36



# STRENGTH THROUGH QUALITY

#### **EMBASSIES**



#### **Australian High Commission**

- Construction and Extension of Australian High Commission



#### **Moroccan Embassy**

- Construction of Moroccan Embassy, Islamabad .



#### **British High Commission**

- Construction and Extension of British high commision, Diplomatic Enclave

## PROFILE & CERTIFICATIONS

#### Certificate of Registration

#### Zia Steel Re Rolling Mills

Plot # 30/1, Phase III, Hattar Industrial Estate, Pakistan

ISO 9001:2008

Manufacture of steel deformed bars.

Certificate No: CI/9927 Issue Date: 25 June 2011
Valid until 24 June 2012 subject to adherence to the agreed origining under programmens accentiful endocument of extification following each and compliance with CI Regulations
Date of original same 25 have 2008.

Signed for and on behalf of

no Chater





#### **CERTIFICATION OF** REGISTRATION

ISO 9001: 2008

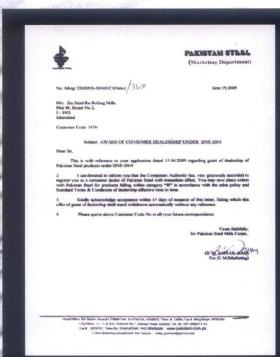


## **PAKISTAN STANDARDS** AND

QUALITY CONTROL **AUTHORITY** 

**PSQCA** 

#### STRENGTH THROUGH QUALITY



## CONSUMER DEALERSHIP PAKISTAN STEEL

**PSM** 



NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED NESPAK

## PROFILE & CERTIFICATIONS





#### NATIONAL ENGINEERING SERVICES PAKISTAN (PVT) LIMITED

#### **NESPAK**



TO WHOMIT MAY CONCERN

- Construction of 03 Major Bridges in District Bagh Package 4.
   Construction of 02 Major Bridges in District Bagh Package 4A.
   Construction of 10 BHUs & 28 Residencies of District Powerh (Rawala)



#### AZAD GOVT. OF THE STATE OF JAMMU & KASHMIR

SERRA

#### ZIA STEEL

#### STRENGTH THROUGH QUALITY



#### CRISP IN PAKISTAN

COMMUNITY REHABILITATION INFRASTRUCTUE SUPPORT PROGRAM

**CRISP** 



SAMPAK
INTERNATIONAL (PVT) limited
SAMPAK

## 14 GO GREEN



## ZIA STEEL WE GO GREEN

Zia Steel is one of the finest firms in the steel industry of Pakistan which takes extensive care in preserving the Earth and saving energy.

Hence, we contribute the following to preserve our planet and stand out in the recycling industries of the world:

- 1. One tonne of recycled steel conserves 2500 pounds of iron ore, 120 pounds of limestone and 1400 pounds of coal.
- 2. We use recycled scrap that reduces water pollution, air pollution and mining waste by about 70 percent.
- 3. Recycling of one aluminum can saves enough energy to run a 100 watt light bulb for 20 hours, a computer for 3 hours, and a TV for 2 hours.
- 4. We have planted almost 500 trees around our production facilities and continue to do so with the aim of planting the same number on a yearly basis.

Our Quality Management certifications are a confirmation of our modern tools and technology that consume less energy and reduce pollution in our environment.





> Save Our Future > Recycle











(CM/L-2282/2009(R))