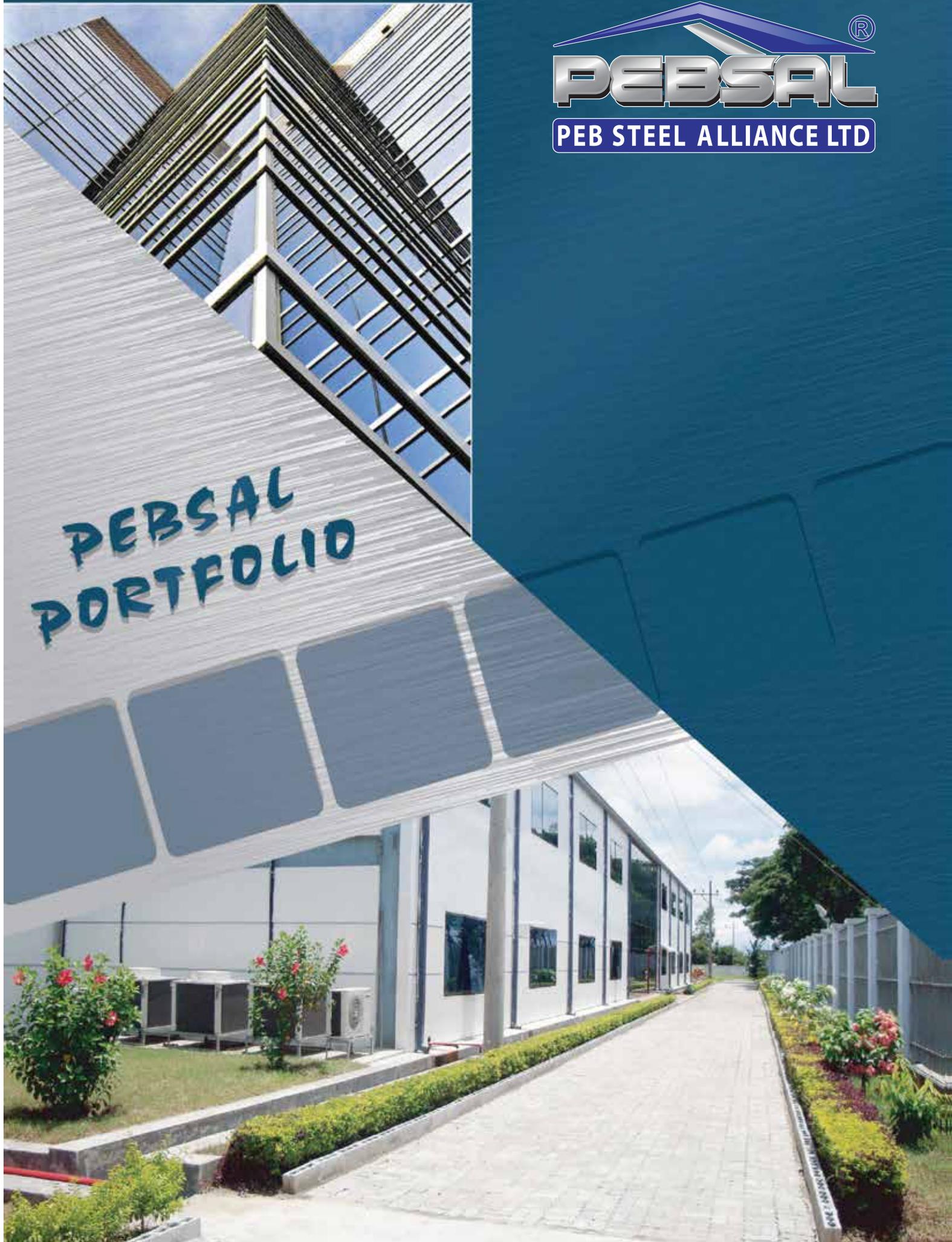


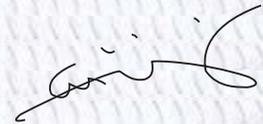
# PEB STEEL ALLIANCE LTD



*At PEBSAL we are committed to pursue our business affairs with integrity and honesty; be trustworthy and dependable to our customers; be fair and tolerant towards our competitors; be generous and just to our employees; and dedicate our entire soul and mind to the business.*



**Engr. Newaz Khan**  
Founder Chairman  
(1950 - 2020)



**Jowher Rizvi**  
Co Founder & Vice Chairman





# WELCOME TO PEB STEEL ALLIANCE LTD

Introduction

Vision

Mission

Values

Organogram

Board of Directors

Senior Management

Quality Certifications

Mitestones



## Introduction

PEB Steel Alliance Ltd (PEBSAL) is the first State of the Art Pre-Engineered Steel Building Manufacturing Company in Bangladesh. Fully equipped with modern machineries and equipment, the fabrication of steel structures is in line with international design codes.

## Vision

PEBSAL to be recognized as the bench mark in the steel building industry of the Region

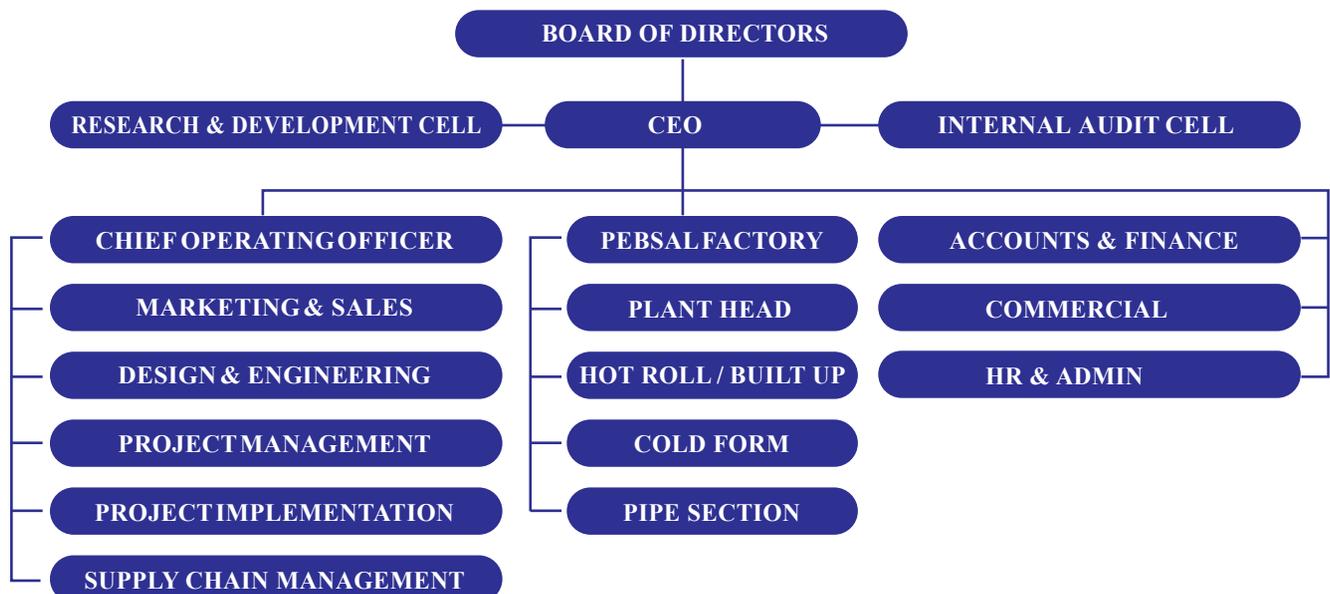
## Mission

- + To design, fabricate and deliver safe and technologically advanced buildings.
- + To build cost effective steel buildings benefiting from "economies of large scale".
- + To offer customers versatility in design and fabrication that meets their exact requirements.
- + To maintain the highest level of quality and commitment to fulfill the customers needs
- + To offer customer services second to none in the industry.

## Values

- + Be a leader not a follower
- + Share knowledge and success with others
- + Forge local alliances wherever we go
- + Apply only the latest design and building codes
- + Continually improve our products through product perfection, new technology, new equipment and training
- + Ensure best possible customer service as customers are our lifetime partners
- + The longest journey starts with the smallest step, so begin with the end in mind and focus on the long term, not just the short term
- + Recognize and value the Human Resource that is contributory to the success and pride of PEBSAL

## Organogram



The company is spearheaded by veterans who introduced steel building in Bangladesh along with solid business background. The sheer combination of engineering excellence and sound financial expertise at the top of the company provides a most economic and qualitative product to its client.

### Founder Chairman (2006-2020)



A trailblazer in Steel Building Manufacturing Industry **Late Engineer Newaz Khan** completed his Higher Secondary School Certificate in the merit list from Faujdarhat Cadet College, a premium institution of Bangladesh. He held a Bachelor Degree in Mechanical Engineering from Lahore, Pakistan and was an MBA from IBA, Dhaka University.

He is credited with the establishment of Dhaka Lamps under the aegis of Singer, establishment of Bandbox, the first Dry Cleaning chain in Bangladesh, establishment of Multi Products Ltd, a pioneer in Fire Detection and Alarm System that introduced Johnson Controls, Viking, Western Air Ducts, Ansul, Air Group, VHM, etc in Bangladesh. His latest effort was the establishment of the first JV PEB Steel Alliance Ltd in Bangladesh. He was Founder Chairman of PEB Steel Alliance Limited.

### Co Founder & Chairman



**Mr. Jowher Rizvi** completed his MBA degree in International Finance and Accounting from Indiana University, USA. He also earned an MA in Economics with Honors from Dhaka University.

Mr. Rizvi started his professional career with Bank of Credit and Commerce International (BCCI) in 1977 and at the same time was engaged with Institute of Business Administration (IBA) as a part time (Honorary) Lecturer. From 1991 to 1997, he served Union Bank Zambia Ltd as its founder Managing Director, taking it to the 2nd leading position in Zambia and had his achievements recognized with the prestigious Banker of the Year award.

He established Alliance Holdings Ltd. (AHL) in 1997. In partnership with Summit Group, entered the Off-Dock business with Ocean Containers Limited. In 2003, the two sponsors jointly established Summit Alliance Port Limited, A public Limited Company which is listed with two major bourses of the country. He is presently President of Steel Building Manufacturers Association (SBMA) and First Vice President of Bangladesh Inland Container Depots Association (BICDA).

Other Enterprises of Alliance Holdings Ltd are:

- Summit Alliance Port Ltd
- PEB Steel Bangladesh Ltd
- Ispahani Summit Alliance Terminals Ltd
- Lankan Alliance Finance Ltd
- Oriental Oil Company Ltd
- Union Accessories Ltd
- Fountain Garments Ltd

In spite of his busy schedule, he still finds time to pursue his favorite passion and teaches on part time (honorary) basis at North South University (NSU), Chittagong Port Authority Training Academy and National Defense College (NDC)

## Director



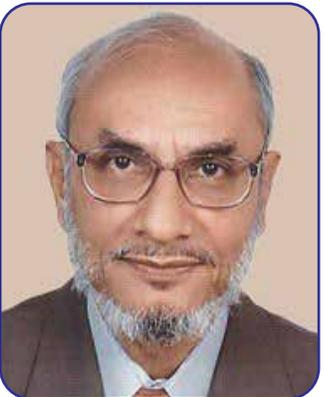
**Mr. Syed Yasser Haider Rizvi** completed his BSc (Hons) in Economics from University College London (UCL), one of the top ranked universities in the UK. He started his professional career in 2002 with Standard Chartered Bank's prestigious International Management Trainee program in Bangladesh where, after the 2-year program, he was fast-tracked as a Manager for the Bank's Consumer Operations department. In 2005 he joined Global Beverage Co. Ltd. as Deputy Managing Director, looking after overall production and distribution activities of the company, helping the company reverse the trend of several loss-making years. Mr. Rizvi joined Ocean Containers Ltd. and Summit Alliance Port Ltd. as Deputy Managing Director in 2007. Mr. Rizvi is also the Director in-Charge of the company's River Terminal at Munshiganj, the 1st private sector facility of its kind in the country.

Mr. Rizvi has introduced new several new concepts which include, amongst others, mechanization of export cargo handling inside the warehouses, innovative designs for import cargo handling warehouses and technology-based security measures for container movement, all of which have since been widely adopted across the country's Off-Dock industry.

Mr. Rizvi was the main driver behind the Summit Alliance Port Ltd.'s first cross-border venture – the Kolkata Garden Reach Terminal project in India – and has been appointed as the Managing Director of SAPL's Indian Subsidiary.

Mr. Rizvi is actively associated with PEB Steel Alliance Limited since its inception and is a nominated Director of Alliance Holdings Limited.

## Independent Director



**Mr. Abdul-Muyeed Chowdhury** is an independent Director of PEB Steel Alliance Limited. He is nominated Director of Alliance Holdings Limited in the Board of Summit Alliance Port Limited (SAPL). Prior to that Mr. Chowdhury served in SAPL Board as Independent Director and Chairman of the Board's Audit Committee consecutively for two terms of 3 years each from May 03, 2012.

A civil servant for 33 years from 1967 to 2000 having joined the then CSP cadre in 1967. Mr. Chowdhury served as Secretary to the Government of Bangladesh in various Ministries from 1994-2000. He served as an Adviser to the Caretaker Government of 2001 holding charge of five Ministries. Mr. Chowdhury has broad knowledge and experience of serving in the Boards of different public and private organizations. He was the first Chairman of the

SME Foundation which has been set up by the Government to promote and support SMEs in the country. He was the Founder Chair of the Federation of NGOs in Bangladesh (FNB) representing internationally renowned NGO BRAC where he was the Executive Director from 2000 to 2006. He was also a founding Board member of NGO Foundation (NGOF) set up by the Government with an endowment fund for financing small NGOs in the country for multifarious poverty and social development programs.

He was the Managing Director of Biman Bangladesh Airlines from 1991 to 1994 and Chairperson of BRAC Net (a Japan-US Bangladesh) joint venture ISP Company from 2005 to 2016. He is a Board member of BRAC University, Sajeda Foundation and several successful listed and non-listed Companies. He is also the Founder and CEO of Tiger Tours Limited, the only tour operating company in Bangladesh registered with the Board of Investment (now BIDA).

Mr. Abdul-Muyeed Chowdhury obtained BA (Honors) in 1964 and M.A in 1965 in History from Dhaka University. He also studied Public Administration at the University of Tennessee, Knoxville USA in 1981 as a Fulbright Scholar.

## Managing Director



**Mr. Shamim A. Chaudhury** joined PEB Steel Alliance Limited after almost 40 years in Financial Sector both here & abroad as an Advisor in 2018. He was appointed as Managing Director from March 01, 2020 and after completing almost 2(two) years with this company. He started his career as Management Trainee in American Express Bank in 1980. From 1988 to 1997 he worked for Bank of Credit and Commerce International (BCCI), Basic Bank Limited and Union Bank Limited, Lusaka, Zambia. He also worked as Deputy Managing Director ONE Bank Limited and AB Bank Limited. Later on, he was appointed as Managing Director of AB Bank Limited in 2014 and worked till 2017.

Mr. Chaudhury is an accomplished Banker and Operations expert with almost 40 years of progressive experience in the financial sector. He possesses a great skill in the areas of Commercial & Corporate and Retail banking. He started banking career as Management Trainee and served in various positions in Local, Multinational and Foreign Banks. He also served in the Board of Non-Banking Financial Institution, Merchant Banking and Electronic Financial Payment and Transaction Processing Company. He comes to PEB Steel Alliance Limited with vast experience of Management and Financial Analysis & negotiable skill background and is known for his role as a “Team Player cum Leader”.

## SENIOR MANAGEMENT

The departments of the company are led by highly competent and committed group of professionals. The company believes in the competency and commitment of its members as the driving force to achieve what may apparently seem impossible.

## Senior General Manager



**Engr. Parvez Mahmood** is currently serving as the Senior General Manager with responsibility of overall supervision of projects & other related works. He graduated with a B.Sc. in Mechanical Engineering from BUET in 2004, following which he served for 4 years in the private sector, including 3 years at the Summit Group of companies. Mr Parvez commenced his journey with PEBSAL in August 2009 as Assistant Manager (Production) at PEBSAL Factory. In July 2010 he was promoted to Deputy Plant Manager and from July 2011 he was promoted again to the position of Plant Manager, where he served until April 2015.

In May 2015, Engr. Parvez was promoted to General Manager (Projects). From February 2016 he was responsible for the establishment of the Project Management Department (PMD) into PEBSAL and proceeded to take over as the General Manager and Head of Project Management Department. From January 2017 to January 2018, he served as General Manager and Head of Sales and Marketing Department.

In January 2018, Engr. Parvez was again assigned as General Manager and Head of Project Management Department. Subsequently, In July 2020 Engr. Parvez’s duties was expanded to include General Manager and Head of Department for Supply Chain Management (SCM). Recently he has been assigned with the responsibility of overall supervision of projects & other related works with effect from september 2021.

### Senior General Manager and Head of Design & Engineering



**Engr. S. M. Ataul Goni Osmany** joined PEBSAL and began his journey on 15th November 2016 as Deputy General Manager & Head of Design & Engineering Department. Mr. Osmany was promoted in July 01, 2021 as Senior General Manager.

He has more than 16 years of experience, having served Sarkar Steel, McDonald Steel, Buildtrade Engineering, etc. He also holds overseas experience working in Plasma Space Frame LLC in Dubai, UAE for about 2 years. He received his Bachelor's degree from Bangladesh University of Engineering & Technology (BUET) in 2003 and a Master's degree from University of Asia Pacific in 2016.

Presently he holds the position of Senior General Manager & Head of Design & Engineering Department.

### Deputy General Manager and Head of Accounts & Finance, Commercial and SCM



**Mr. S M Ashfaqur Rahman, FCA** joined PEBSAL on 02nd April 2017 as Company Secretary & Deputy General Manager at Accounts & Finance Department. Later on, he was bestowed upon the responsibility of heading the Accounts & Finance Department from 26th August 2018. He was recently assigned with the responsibility of SCM in addition to present responsibility.

He has completed his BBA from North South University with the distinction of Summa Cum Laude. Mr. Rahman has come to PEBSAL having more than Six Years' Experience in Accounting, Finance & Auditing and holds membership of different reputed International Accounting Bodies such as ICAB, CIMA, IFA, IPA & ICGAB.

### Deputy General Manager and Plant Head



**Engr. Md Bodrul Alam** entered PEB Steel Alliance Ltd on 1st March 2018 as Assistant General Manager in the production planning and control department. He has been pushing for innovative and proactive ideas on Integrated Management Systems. Later on, he took over the charge of the overall production & operations management in early 2019, and now serving as the Plant Head of the PEB Steel Alliance Ltd since May, 2020.

He is mainly from Pre-fabricated steel building sector and shipbuilding sector, Engr. Bodrul's professional expertise span across various aspects of leadership in project planning, operations management, and possesses a strong engineering background for understanding strategic management and factory operations.

He is a graduate from Bangladesh University of Engineering & Technology [BUET] in Mechanical Engineering, He served Confidence Steel Ltd, Western Marine Shipyard Ltd, Meghna Group of Industries and Ananda Shipyard & Slipways Ltd. Engr. Md Bodrul Alam has been promoted as Deputy General Manager in his present position.

### Deputy General Manager and Head of Marketing & Sales



**Engr. Mounjur Ahammed** joined PEBSAL and began his journey on 10th February 2017 as Manager at Marketing & Sales Department.

He has completed his B. Sc. in Civil Engineering from CUET in 2007. Engr. Ahammed has come to PEBSAL having more than nine years' experience that include five years in UAE. He has started his career from WHCC at Ajman in UAE from 2007-2010. Later on, he changed to Leader Group at Dubai in UAE from 2011 to 2013. Afterward, he returned to Bangladesh and joined Bangladesh Building Systems Ltd. (BBS) where he has served as Deputy Manager at Sales & Marketing Department.

Engr. Ahammed has been promoted as Assistant General Manager and took over his responsibility as Head of Marketing & Sales Department from 1st January 2018. Engr. Mounjur Ahammed was recently promoted as Deputy General Manager from July 01, 2021.

### Deputy General Manager & Head of Project Implementation



**Engr. Nazir Hossain** joined PEBSAL and began his journey on 24th January 2015 as Deputy Manager Quality Control. Later on, he was promoted as Manager (Production), stationed at PEBSAL Factory in Chaudagram, Cumilla.

He has completed his B. Sc. in Materials & Metallurgical Engineering from BUET in 2006. Later he pursued his education abroad and earned double Master's Degree in Advanced Engineering Materials, from University of Manchester (2011) and in Advanced Manufacturing System, from University of Teesside (2008). He started his career as industrial surveyor (Oil and Gas) for the Bureau VERITAS Bangladesh Pvt. Ltd. before joining PEBSAL. He also has experiences as a Supply Chain Analyst and Lead Auditor.

Engr. Hossain was promoted as Asst. General Manager and took over his responsibility as Head of Project Implementation Department from 23rd February 2019. Engr. Nazir Hossain has been promoted as Deputy General Manager from July 01, 2021.

### Assistant General Manager and Head of Internal Audit, Admin & HR



**Assistant General Manager** and Head of Internal Audit, Admin & HR  
Mr. Monirul Islam Patwary is presently heading Internal Audit, Admin & HR Department. Mr. Patwary joined PEB Steel Alliance Ltd on January 01, 2013 as Deputy Manager at Internal Audit Department. Mr. Patwary, an auditing and accounting expert completed his CA Course under ICAB and MBA in accounting. He started his professional career as Audit Officer (Internal Audit) in 2001.

While pursuing his professional career, he continued to further his education constantly and thus obtained Income Tax Practitioner (ITP) certificate from National Board of Revenue in 2012. Having served in SAMRAT GROUP for long 5 years, he joined GIVENSEE GROUP OF INDUSTRIES LTD as an

Assistant Manager (Audit) where he worked for over 5 years.

## Senior Manager and Head of Project Management Department



**Engr. Rafee Ahmed Ameen** is currently serving as Senior Manager and Head of Project Management Department (PMD).

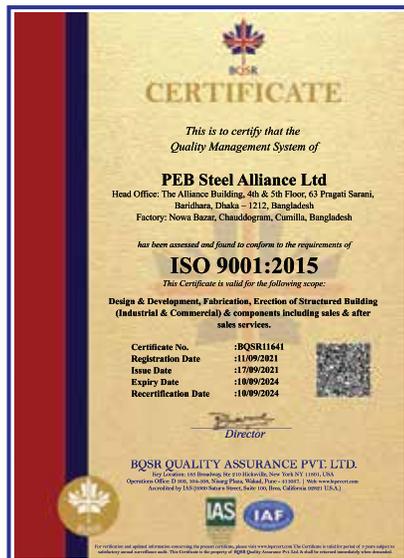
He graduated with a B.A.Sc. in Mechanical Engineering from the University of Waterloo (Canada) in 2009. Following his graduation, he worked as a Design Engineer for Upland Technologies, an automotive company recognized for innovation by the Government of Canada.

Engr. Ameen began his journey with PEBSAL in May 2014 as Plant Engineer at the PEBSAL Factory, responsible for streamlining and optimizing factory operations as well as overseeing production activities.

In January 2017, he was assigned as Deputy Manager of the newly formed Project Management Department (PMD). He was promoted to Manager (PMD) in April 2017, and continued to serve in that role until 2021, when he was promoted to Senior Manager (PMD). With Effective September 2021, Engr. Ameen was entrusted with the responsibility of Head of Project Management Department.

## Quality Certifications

PEBSAL is an ISO certified company for both of “Quality Management Systems” and “Occupational Health & Safety Management Systems” having ISO 900 :2015 and ISO 45001:2018 certificates accordingly. It is also an Associate Member of AISC.



## Milestones

- **25 Apr 06** : Formation of PEB Steel Alliance Ltd.
- **11 Mar 08** : Awarded 2 ADB funded project for building of 84 school in earthquake devastated regions of Pakistan. Followed by 9 more contracts to build 296 schools worth US\$ 19.8 million.
- **23 Dec 08** : Built the first multi storied office, MTB Centre on Gulshan Avenue
- **22 Jan 10** : Built the SAF Games Torch
- **12 Nov 10** : Built a Power plant for TSK Spain
- **05 Nov 11** : Awarded ISO 9001 : 2008 by Bureau Veritas
- **12 Oct 12** : Launches its official website [www.pebsteelliance.com](http://www.pebsteelliance.com).
- **20 Jun 14** : Completed Holcim Cement Factory following Euro Code
- **23 Oct 14** : Awarded ISO 9001: 2008 by AGS, LLC, Montecito, CA, USA
- **06 Nov 14** : Only PEB company in Bangladesh to receive Associate Membership of AISC
- **03 Mar 15** : Coca Cola, the no 1 brand in the world, awards its project to PEBSAL
- **30 Jun 15** : PEBSAL innovates, fabricates and delivers-Porta Cabin to Bangladesh Army contingents for UN Mission in Central African Republic and Mali
- **10 Jul 15** : NBR confers award to PEBSAL for being the Highest VAT Payer in Manufacturing Category in Comilla District 2013 - 2014
- **07 Aug 15** : Participates in the 'Safe Home Expo 2015' in Kathmandu, Nepal.
- **12 Nov 15** : Awarded OHSAS 18001: 2007 by AGS, LLC, Montecito, CA, USA
- **25 Apr 16** : PEBSAL celebrated 10 years of its successful journey
- **30 Sep 16** : PEBSAL introduces Standing Seam Roofing a new concept using clips in Nasir Glass covering approx 450,000 sq ft of roof with virtually no possibility of rain water leaking
- **24 Jan 17** : Celebrates 3 million safe man working hour with Coca-Cola ( IBPL)
- **07 Jan 18** : First in Bangladesh to launch a versatile, computer controlled and fully automatic machine with multiple operations, named KALTENBACH (KF 2114) PLATE PROCESSING CENTRE
- **09 Nov 19** : A single project of 10,200MT named PHP Integrated Steel Mills has been supplied in a year.
- **21 Oct 20** : First in bangladesh to complete the tallest industrial structure of around 380 feet named BRB VCV Tower Building.
- **Ongoing** : PEBSAL continues building the 26th factory building of Youngone at KEPZ covering a cumulative area of 1,840,776 sq ft (approx).



## PEBSAL FACTORY

Description of the Factory

Management

Machineries, Equipments and Facilities

Quality Assurance

Delivery





## Description of the Factory

The PEBSAL factory is located 112 km from Dhaka on the Dhaka-Chittagong highway and the facility is spread over an area of 1,200 decimal of land. The manufacturing plant boasts 250,000 sq ft of floor area. The production capacity of the factory is currently 36,000 MT per annum.

The factory building is an example of portraying engineering excellence and innovation. It is constructed using a combination of PEBSAL's casted beams and open web joists. The roof is profiled using Lokseam, which is an all-weather leak proof roof system recently introduced by PEBSAL.

## Management

The factory management is run by highly experienced local and international staff. Most of the senior staff have international and multi-national exposure. From planning to production, from quality to maintenance the team is more than capable of delivering the very best to its elite clients.

## Machineries, Equipments and Facilities

Plate processor's (Kaltenbach)  
 Bending Machine  
 CNC Hydraulic Guillotine Plate Shear Machine ( up to 20mm thick)  
 CNC Oxy-fuel Plate Profile Cutting Machine (one with Plasma cutter)  
 Auto Cutter ( Koike)  
 CNC Drill Machine  
 GEKA Ironworker  
 I- Section Assembly Machine  
 Submerged Arc Welding Machine with Roller tables  
 Submerged arc Welding Machine (ESAB)  
 MIG Welding Machine (Lincoln)  
 Gouging Machine (Lincoln)  
 Magnetic Drill Machine (March)  
 Shot Blast Machine- For job size up to: 1.7-2.0M (H) X 1.0-1.4M (W) X 12.0M (L)  
 Graco Spray Machine  
 Air Dryer  
 Painting Chamber (On line with monorail)  
 Plate Bending Machine (up to 20mm thickness X3000mm width)  
 Boom Welding System (Pipe Plant -up to 3.5M Dia pipe)  
 Plate Beveling Machine  
 Roof Panel Machine (PE-1000)  
 Wall Panel Machine (PW-900)  
 Liner Panel Machine  
 C- Purlin Machine (200-250)  
 Z- Purlin Machine (200-250)  
 Decking Panel Machine  
 Lock-seam Machine  
 Panel Curving Machine  
 Sheet Shearing Machine  
 Sheet Bending Machine  
 Roll Forming Machine for Down Pipe  
 Air Compressor  
 Mobile Crane ( Escorts- Hydra) 10-14 T Capacity  
 Overhead Crane (1.5 to 15T)  
 2T Jib Crane  
 12' Bed Length Lathe Machine  
 Heavy Duty Radial Drill Machine  
 40mm Capacity Bar Bending Machine

### CNC Hydraulic Guillotine Shear



Cuts steel plates up to 6000 mm width and 16 mm thickness

### Hydraulic Guillotine Shear



Cuts steel plates up to 6000 mm width and 10 mm thickness

### CNC Oxy-fuel Profile Cutting Machine



Cuts steel plates 18000 mm length, 2500mm width and 3-100 mm thickness

### CNC Oxy-fuel Plasma Cutting Machine



Cuts steel plates 18000 mm length, 2500mm width and 3-100 mm thickness

### Geka Ironworker (Shearing & Punching)



5 work stations for shearing, cutting of angles, notching and punching.

### CNC Drill



Drills hole of diameter 50 - 70 mm

### Submerged Arc Welding (SAW) Lines



Welds H-Sections 150-400 mm flange X 300-1200 mm web @ .5-2.5 me/min

### Fabrication Cells



Comprises of Fitter, MIG Welders & Helpers for "Fit-up Cells"

### Shot Blasting Machine



Max size of member 12000 mm (L), 1400 mm (W) & 2000 mm (H)

### Airless Graco Painting



Painting capacity of 60 MT / Day

### CNC Pipe Bending Machine



Bends Steel Plates up to 30 mm thickness

### Pipe Welding Machine



Welding Machine for Longitudinal & Circumferenc Welding

### Roof Panel Machine



Fabricates roof panels of 1000 mm width & 0.47 - 0.6 mm thickness

### Wall Panel Machine



Fabricates wall panels of 900 mm width & 0.47 - 0.6 mm thickness

### Z - Purlin Machine



Fabricates Z- Purlins of 1.5 - 2.5 mm thickness

### C - Purlin Machine



Fabricates C- Purlins of 1.5 - 2.5 mm thickness

**Liner Panel Machine**



Fabricates liner panels of 1090 mm width & 0.47 - 0.6 mm thickness

**Standing Seam Machine**



Fabricates panels of 500 - 480 mm width & 0.5 - 0.6 mm thickness

**Sheet Shearing Machine**



Cuts max 4000 mm width & 3 mm thickness

**Decking Panel Machine**



Fabricates panels of 1000 mm width & 0.7 - 1.2 mm thickness

**Panel Curving Machine**



Used for curving 1000 mm roof panels (Canopy Panels)

**Bending Machine**

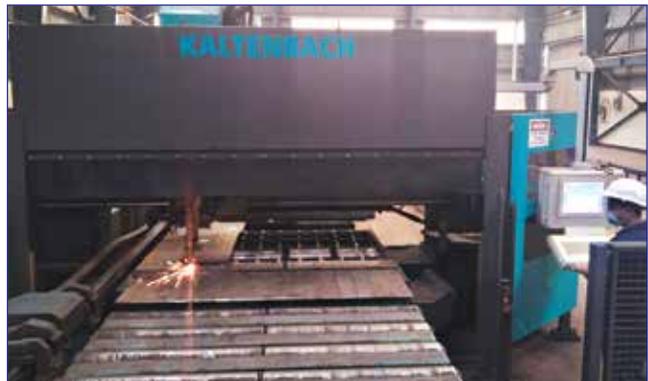


Used for bending sheets of 4000 mm length & 0.5 - 6 mm thickness

**Plate Bending Machine**



**Kaltenbach Plate Processor Machine**



## Quality Assurance

PEBSAL is an ISO 9001:2015 certified company and boasts of maintaining the highest standard of quality that can only be matched by a few international companies in the region. PEBSAL has remained focused since its inception to offer quality product to its vety precious clients, who decline to compromise price for quality.

The company pursues to develop this attitude amongst all members of the PEBSAL family and today the same is imbibed in their core.

To achieve this standard PEBSAL has incorporateda host of equipment and instrument. It is with the help of these equipments/ instruments/ software and the stringent attitude ofevery member of PEBSAL that this level is attained.

PEBSAL takes pride to be the leader in quality in Bangladesh and through continual improvement, is committed to remain so in the future as well.



Quality Assurance (Continued)



Quality Assurance (Continued)



## Delivery

With a fleet of its own trailers, trucks and pickups, PEBSAL is well poised to deliver project material to site on time without depending on external logistic support companies. However should there be a need, a number of out sourced, reliable and long time logistic partners are available to provide the needed support at short notice.



# PRE ENGINEERED BUILDING

Pre-Engineered Building Components

Standard Framing Systems

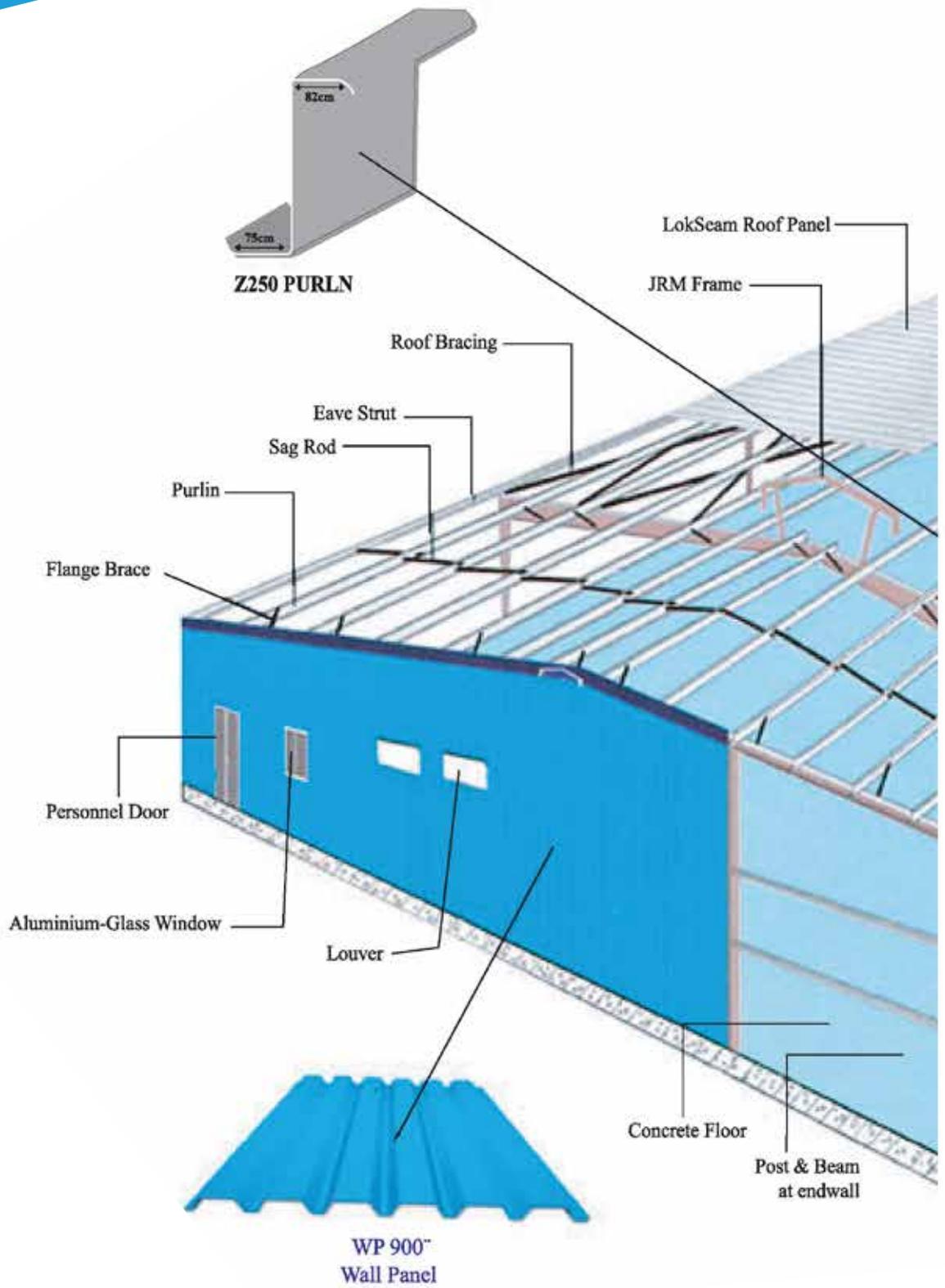
Structural Subsystem

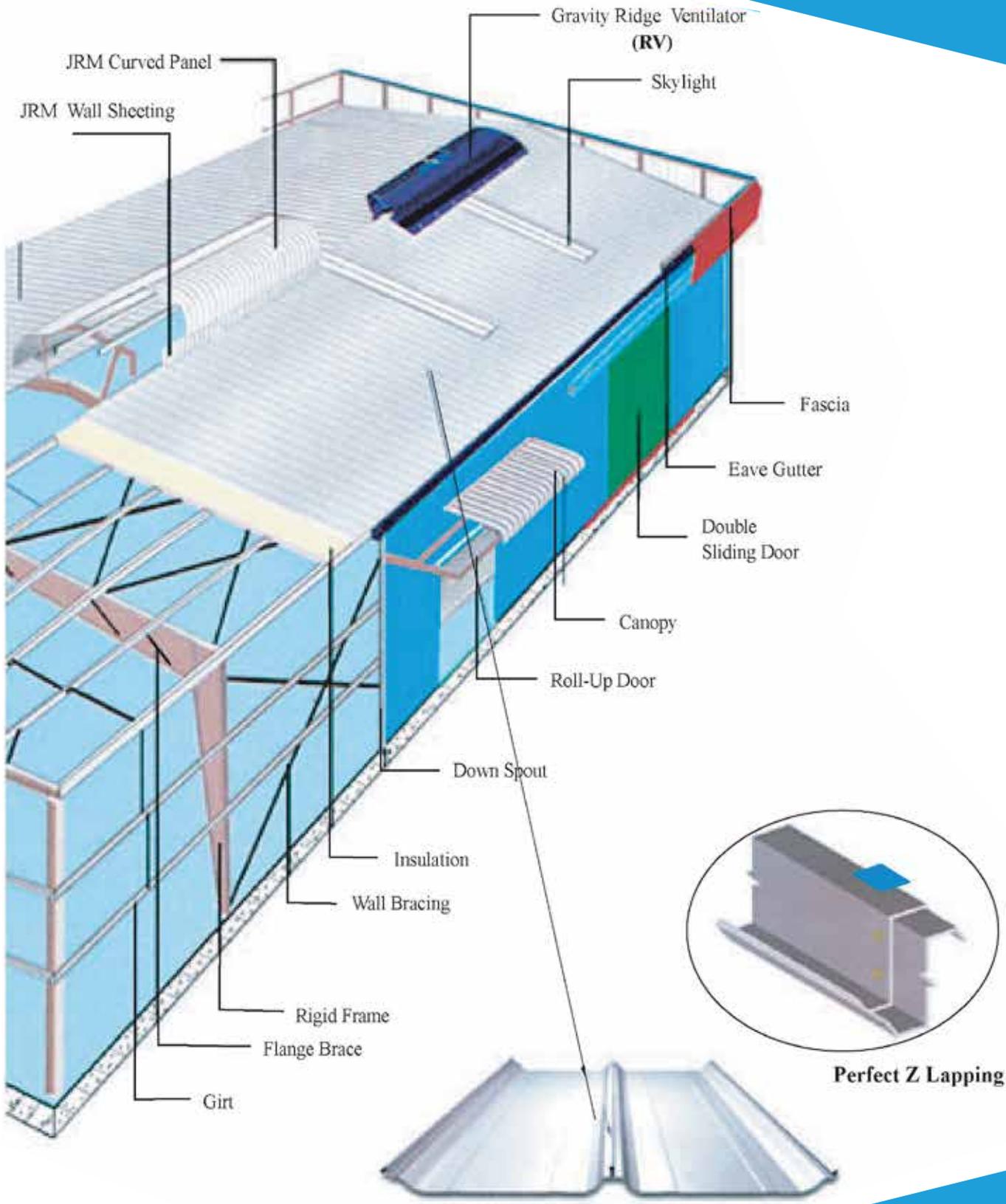
Roof & Wall Panel

Ridge Vent, Purlin, Down Spout

Building Accessories

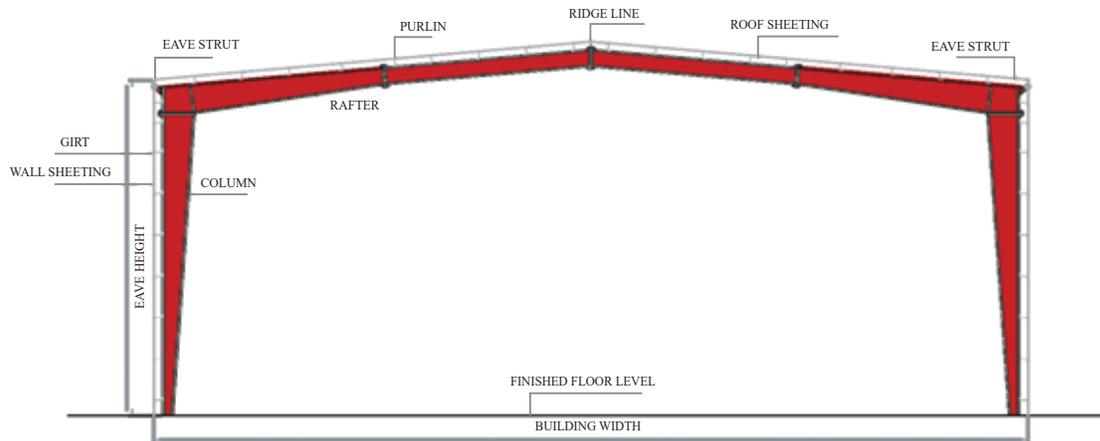




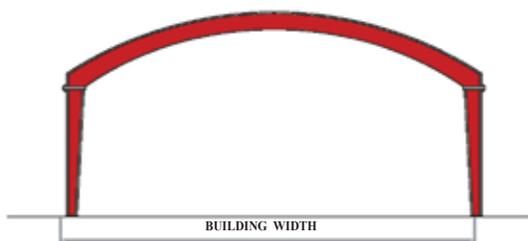


**LOKSEAM™**

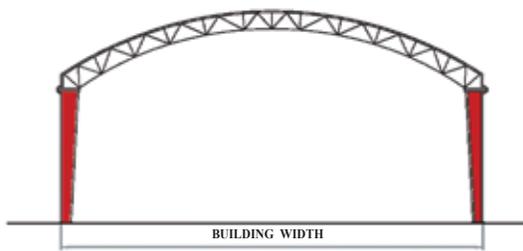
Standard Framing Systems



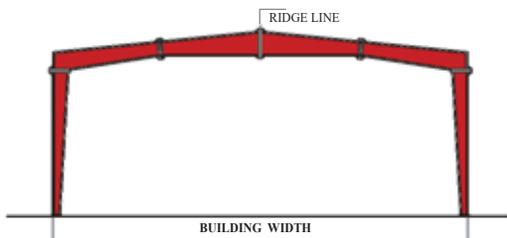
TYPICAL CROSS SECTION



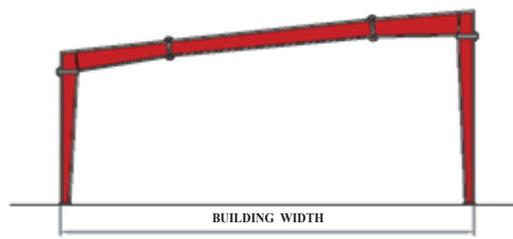
Built-up Curved Rafter (BU)



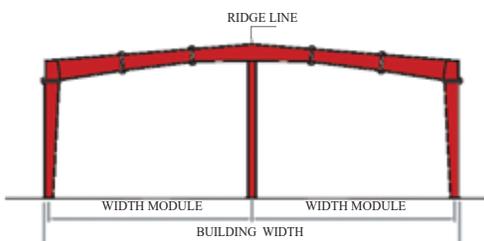
Open-Web Curved Rafter (OW)



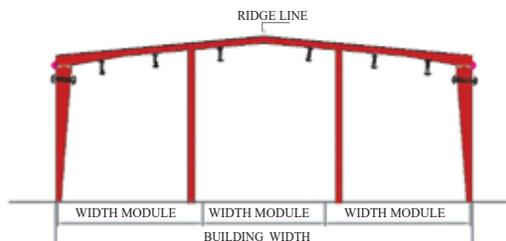
Clear Span (CS)



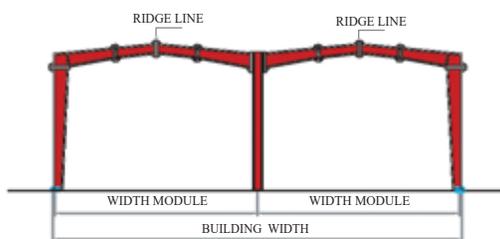
Single Slope (SS)



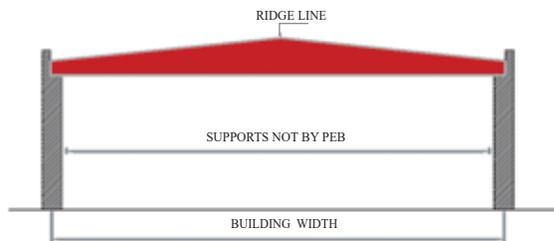
Multi-Span "1" (MS-1)



Multi-Span "2" (MS-2)



Multi-Gable (MG)

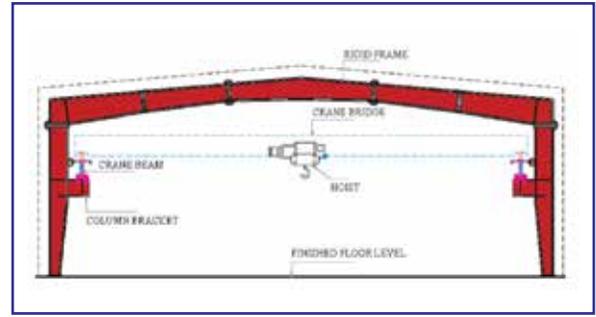


Roof System (RS)

### Structural Subsystem



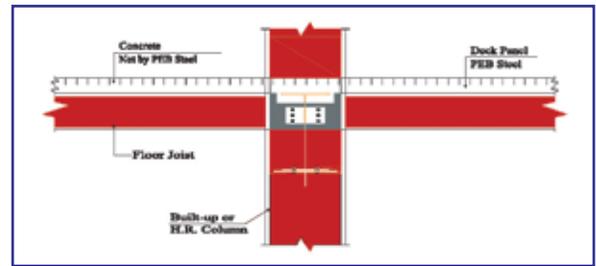
Crane System



Crane System



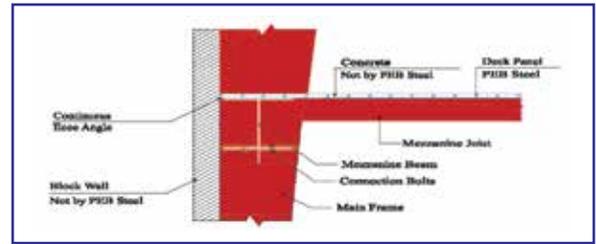
Mezzanine Joist Connection to mezzanine beam



Mezzanine Joist Connection to mezzanine beam



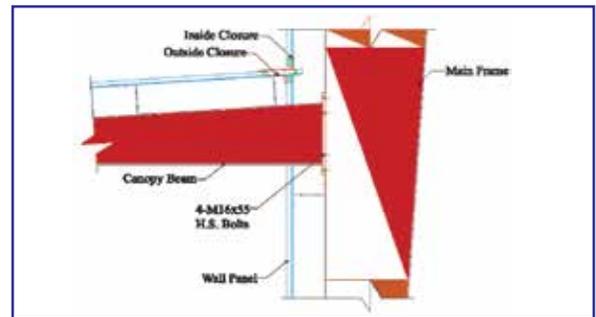
Mezzanine Beam Connection to Main Frame Column



Mezzanine Beam Connection to Main Frame Column



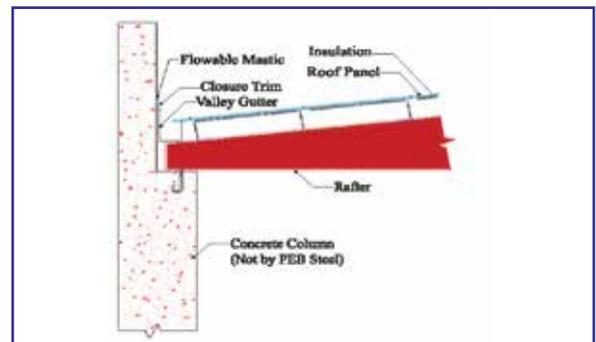
Rigid Frame with Canopy



Rigid Frame with Canopy



Roof System with Insulation

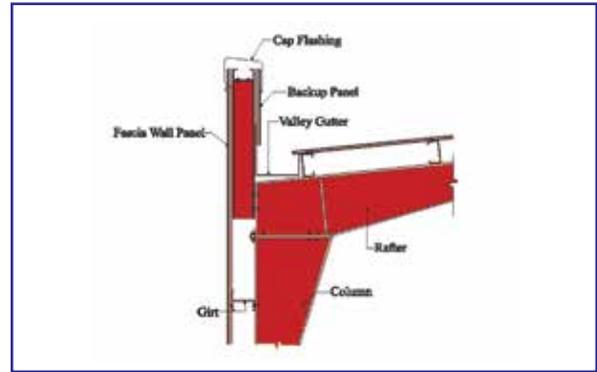


Roof System with Insulation

Structural Subsystem



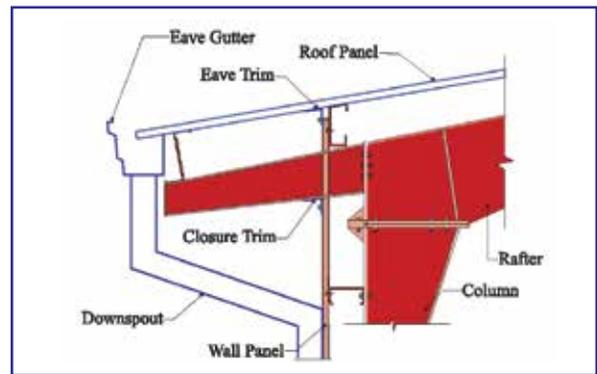
Parapet Fascia



Parapet Fascia



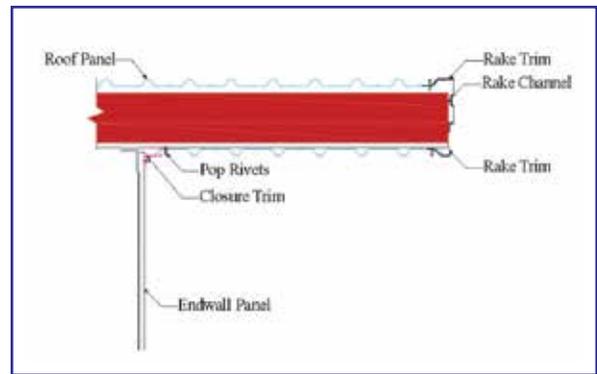
S.W Roof Extension



S.W Roof Extension



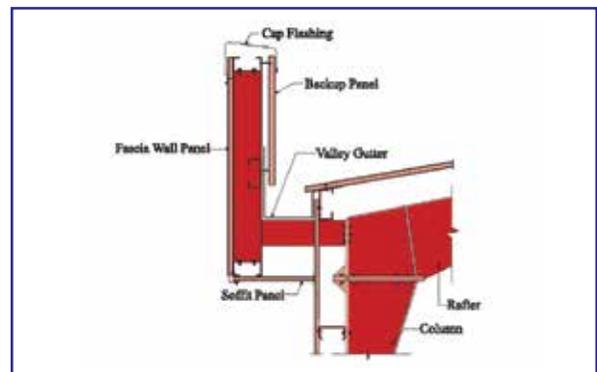
Endwall Roof Extension with Soffit



Endwall Roof Extension with Soffit



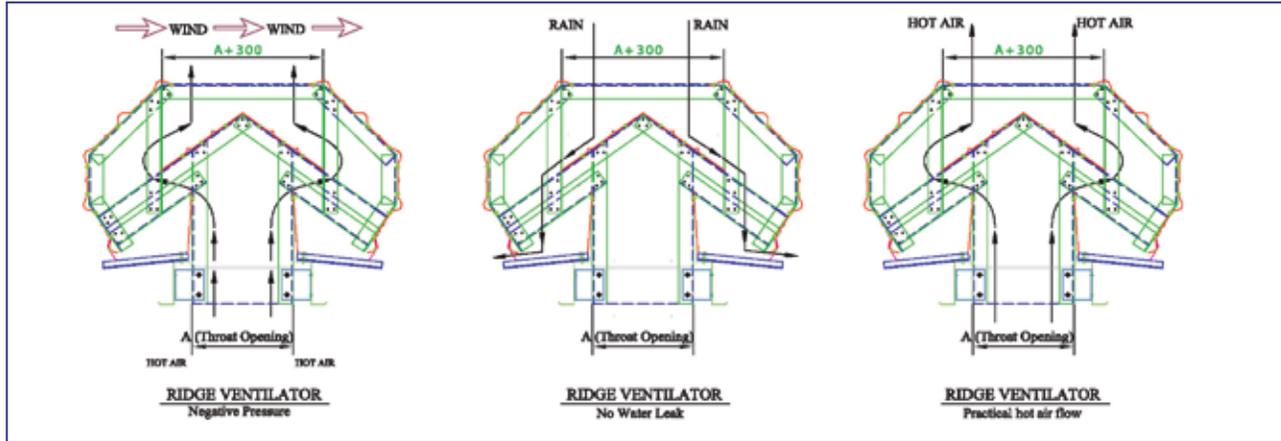
Vertical Fascia



Vertical Fascia



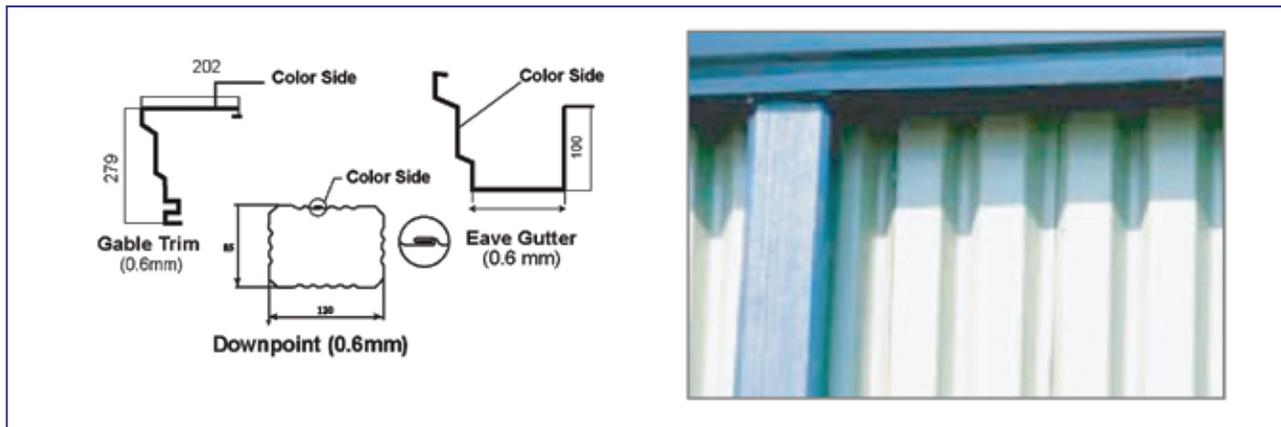
Ridge Vent



Purlin



Down Spout



## Building Accessories

Some aesthetically beautiful, architecturally appropriate and technically engineered building accessories are available in PEBSAL product line.

These can fit almost any building designed by PEBSAL and can be customised to the choice of the client to fulfill their individual needs.



Eave Gutter



Stair



Hanger Door



Soffit



Sky Light



Sliding Door

Building Accessories



Ridge Vent



Louver



Wall Light



Natural Turbine Ventilators



Crane Girder



## PEBSAL YOUR FIRST CHOICE

Certified Company

Latest International Design Codes and Deflection

Diversified Steel Structures

Premium Grade Material

Fully Automatic Production Line

Shot Blasting for All Jobs

In House Fully Equipped Quality Department

Fast Track Projects

Building Erection

Benchmark of Quality and Commitment/Repeat Client

Clientele Base





## Certified Company

PEBSAL is an ISO 9001 : 2015 Certified Company. On the safety side it is also an ISO 45001: 2018 Certified Company. Besides it is the singular PEB related manufacturer who is an Associate Member of the prestigious AISC, Chicago, USA.



Certifications

## Latest Int'l Design Codes and Deflection

The diverse environment of Bangladesh includes heavy rainfall, high wind speed and seismic load. With due consideration to these adversities, PEBSAL follows the latest international building codes and deflections in all its projects. The in house Design Dept is equipped with Licensed Staad Pro, RAM connection and Tekla Structures software enabling it to design an aesthetically beautiful and safe building.



Latest International Codes and Deflection

## Diversified Steel Structures

PEBSAL with its strong design team coupled with a factory equipped with modern machineries is in a position to offer its customers/clients a building of any size and configuration. PEBSAL can provide clear span that is over 100m on a curved structure, along with laced column, curved truss and built up truss.



Diversified Steel Structures

## Premium Grade Material

PEBSAL uses only premium, brand new, 50 grade High Strength Steel (HSS) MS plates imported from China, Japan, Korea, Taiwan, etc, for all its built up materials. PEBSAL boasts to be the only company in Bangladesh that provides galvanized Z and C purlins, girts with G-90 (275gm/m<sup>2</sup>) zinc coating, thus ensuring long life. PEBSAL uses Self Drilling Screws from Buildex of Australia, Bead Mastic from USA to prevent leakage through overlapping panels. Bolts used are imported from Singapore and India made to ASTM and DIN standards



Secondary Steels from PEB



Building Accessories

### Fully Automatic Production Line

PEBSAL is dedicated to using, facilitating, and implementing the most modern state of the art technology, consisting of the latest innovations and always uses systematic planned usage of its machineries, ensuring quality and design criteria.

PEBSAL uses auto welding lines from Lincoln, USA and other machineries from various renowned companies of China, Italy, Korea, Taiwan and Spain.



Fully Automatic Fitting & Welding Line

### Shot Blasting for All Jobs

PEBSAL is dedicated to provide the best possible quality output. Every single fabricated member is processed through shot blasting before these are grinded and painted. It thus ensures the highest quality of the finished product. PEBSAL is the only company that uses shot blasting for all its built up products.



Shot Blasting of Built up Products

### In House Fully Equipped Quality Dept

PEBSAL has its in house highly qualified quality department equipped with nearly every piece of equipment necessary to ensure that the quality meets international standards. It can undertake Non Destructive Test of all product with its own equipment and experts.



Quality Check by In House Quality Dept.

### Fast Track Projects

PEBSAL is capable of design, supply and erection of fast track projects solution for clients who need a building within minimum possible time.

A Fast Track Project of CMT, a Mauritius Conglomerate, with 12 buildings, Covering an area of 472,385 sq ft have been designed, supplied and built within a time span of only 12 months, bears testimony to this fact.



Fast Track Project of CMT-12 Buildings

## Building Erection

PEBSAL is the best equipped company in Bangladesh with respect to PEB building erection both in terms of manpower expertise as well as erection equipments. Engineers and supervisors have project experience in war ravaged Central African Republic and Mali, difficult terrains of Pakistan and Afghanistan and unique terrain of Maldives.

With PEBSAL owned Tower Crane, Mobile Crane, Scissor Lift, Boom Lift, Torque Wrench, Magnetic Drill, etc, it is poised to undertake a project of any magnitude both at home and abroad.

The certification of OHSAS coupled with the qualified safety practicing staff allows PEBSAL to undertake projects with the most stringent safety practices comfortably. All workers are covered by insurance thereby ensuring that, while the safety practices of the valuable clients are met, the value of PEBSAL workers are also taken care of.



Scissor Lift



Man Lift



Hydraulic Crane



Anchor Bolt Setting



Erection with Tower Crane

## Benchmark of Quality & Commitment

PEBSAL has established itself as a benchmark in quality and commitment in Bangladesh through the effort of all its members.

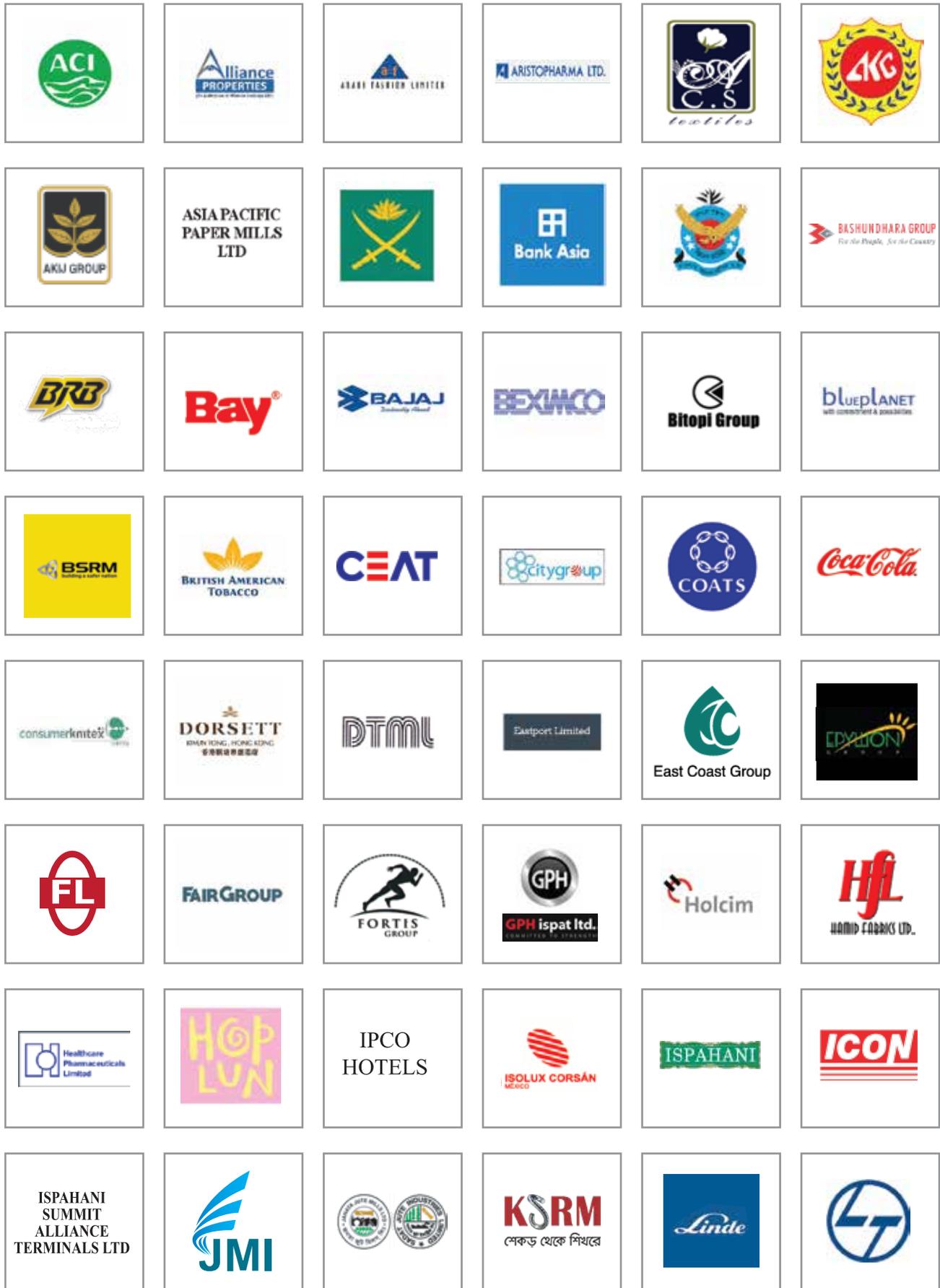
Today PEBSAL has over 85% Repeat Clients, who happen to be the big names in the industrial sector of Bangladesh.



Benchmark of Quality & Commitment

### Clientele Base

PEBSAL boasts of a very rich clientele base that includes the top names in the country and world famous brands. Besides most of them are repeat clients, who are testimony of the quality work and fulfillment at commitments of PEBSAL a value imbibed in every member of PEBSAL



Clientele Base (Continued)

## PEBSAL PRODUCTS

Hot Roll Structures

In Filled Columns

Non PEB Products

Large Pipes

High Rise Buildings

Standing Seam

Light Gauge Steel Structures

Porta Cabins



## Hot Roll Structures

PEBSAL Hot Roll products comply with all the relevant European standards and can be trusted for its consistent quality. These can be used in the construction of high rise steel structures, bridges, ships, etc. It provides for enhanced end-product performance, extended product life, stronger yet lighter products, opportunities to cut costs, repeatable, trouble-free processing, opportunities to simplify processing, maximized yield, shorter production time, etc.



## In Filled Columns

In filled steel columns are also added to the product line of PEBSAL. The concrete-filled steel tube (CFT) column system has many advantages compared with the ordinary steel or the reinforced concrete system. One of the main advantages is the interaction between the steel tube and concrete: local buckling of the steel tube is delayed by the restraint of the concrete, and the strength of concrete is increased by the confining effect of the steel tube. This is an effective solution for high rise building construction, bridges, etc.



In Filled Columns in use

## Non PEB Products

PEB Steel has also to its credit the production of highly critical non PEB product, which includes chimneys, silos for cement plants, lattice columns, etc.

Though relatively time consuming, the end product meets all the dimensional and technical needs, thanks to the array of equipments at the PEBSAL plant, including testing equipments that, results in a very high quality product in the non PEB product range as well.



Some Non PEB Product Range

## Large Diameter MS Pipes

PEBSAL has recently procured two machines to undertake fabrication of pipes. It incorporates a CNC based Plate Bending Machine that can bend both ASTM A36 as well as ASTM A50 grade steel plates up to 30 mm thickness. The Column/Boom Welding Machine with ESAB SAW Power Pac from Sweden is specially designed to undertake pipe welding works. The combination results in the fabrication of metal pipes ranging from a modest 400 mm to a heavy duty pipe with 2,500++ mm diameter. The end Product has a very smooth inner and outer surface, uniform roundness and wall thickness of the pipe circumference



Large diameter Metal pipes from PEBSAL are best suitable and proven in the following applications:

- All types of major piling from the river bed to projection above ground level, such as use in the construction of bridges, flyover, expressways, etc.
- Process cooling water installations for industrial factories and power plants, irrigation pipelines, waste water pipes, rehabilitation of underground pipes
- Slurry handling pipes (e.g. mining industry)
- Underground and above ground storage tanks, large oil tanker, silo, hopper etc.

## High Rise Buildings

High rise buildings built with steel structure is the technology of the present day more so when the building is located in an earthquake or high wind pressure zone such as Bangladesh. With today's advanced technology and latest innovations it is proven that buildings of over 152 storied, built in steel instead of concrete results in achieving economy in time, resource and cost significantly.

Such huge time savings result in realizing of investment faster and fits perfectly well in the context of Bangladesh where the construction of office building or hotel competes to sustain the growing economy.

The advantages when using structured steel as compared to concrete are listed below:

- Lower finance costs.
- Improved sound transmission/attenuation
- Fabricated to precise tolerances in controlled environment.
- All weather construction thus earlier completion and revenue generation.
- More remodeling and re-use flexibility additionally !!Green!! 100% recyclable materials
- Longer span with fewer columns means less excavation/foundations with more usable clear space.



Multi Storied Factory Building



Multi Storied Hostel



## Standing Seam Roofing System

Standing seam roofing is a hidden fastener roofing structure with vertical or trapezoidal legs and a flat area between them. This is one of the most weather-resistant and robust roof structures on the market. When it comes to standing seam schemes, the most important thing to note is that the fastener is covered. The fasteners aren't exposed to the elements, which might cause them to malfunction over time, thanks to the hidden fastener nature. Since these panels are clamped to the roof cover, they don't have any openings from nails or other fasteners that might allow moisture to seep in.



In Bangladesh, PEBSAL was the first to launch this roofing system to the PEB industry of Bangladesh. This metal roofing system offers

- Enlarged longevity, Last for more than 20 years & Low maintenance
- Easy to install solar panel by following BNBC.
- No leakage chance after solar panel installation.
- No expose of fasteners (No rusting chance)
- Allows for thermal movement
- Increased longevity
- Durability – resistant to cracking, shrinking and eroding
- Performance in extreme weather, including heavy snow, hail and fire
- Sleek, consistent, & modern look.
- Environmentally friendly.



PEBSAL has successfully completed the installation of 2,287,080 sq. ft. area implementing this roofing system for the following clients.

Year	Client Name	Area (Square Feet)
2015	Nasir Group (600-ton Glass Factory)	583,900.00
2017	Youngone Group (KSIL-7th Phase)	450,000.00
2018	Square Group (Multipurpose Warehouse)	100,005.00
2018	Youngone Group (KPP-5)	300,000.00
2018	Unilever Bangladesh Ltd. (PC Exp. & Substation)	103,175.00
2019	Youngone Group (Sungnam Apparels)	450,000.00
2019	Youngone Group (KPP-4)	300,000.00



PEBSAL has revolutionized the Bangladeshi PEB industry with the introduction of the standing seam roofing system. According to the report, Bangladeshi industrialists will be one step ahead in implementing this scheme in their upcoming expansions.

## Light Gauge Steel Structures

PEB Steel Alliance is proud to have innovated the concept of a light gauge building solution for the earthquake victim rehabilitation in the ADB funded projects in Pakistan.



The mountainous terrain with inadequate road network needed a structure capable of withstanding high intensity earthquake, sufficient snow load and insulation but at the same time light enough to be carried to remote areas on mules or head loads.

The solution was provided through these light weight pieces that were no more than 10 kgs but when fixed with self drilling screws would turn into a formidably strong buildings meeting the stringent criterions set by ADB.



These buildings provide a light weight solution in an innumerable variety of uses specially in the hilly and coastal terrain that can include accommodations, hospitals, community centers, etc.

## Porta Cabins

PEB Steel Alliance Ltd has designed, fabricated and delivered Porta Cabin to Bangladesh Armed Forces for its use in UN Mission in Central African Republic and Mali in accordance with UN Specifications. These included single accommodation units of 600 sq ft, multiple units and ablution units.



With elementary training, it can be erected by 6-8 persons in a short time of 6-8 hours. PEBSAL also provides training on the erection methodology at its facility in Comilla.



These Porta Cabins have a considerably long life span and are unique in that, it can be repeatedly assembled, dismantled and re-erected time and again, making it reusable and economically most viable. It can be used in a variety of ways both singularly or by assembling more than one unit in tandem to build Hospitals, OTs, Mosques, Mess, etc.



## PEBSAL PROJECTS

Selected Projects (1,000 MT to 3,000 MT)

Selected Projects (3,000 MT to 5,000 MT)

Selected Projects (5,000 MT to 10,000 MT)

Selected Projects (Above 10,000 MT)

Selected Diverse Projects





## Selected Projects (1,000-3,000 MT)



1010 MT

KSIL | Warehouse (5th Phase) KEPZ, Chattagong.



1010 MT

Univogue | Garments Building, CEPZ.



1057 MT

Abul Khair Steel | Factory, Kadamrasul, Sitakunda.



1040 MT

Shah Cement | Cement Plant, Munshigonj.



1200 MT

KSIL | Warehouse (3rd Phase) KEPZ, Chattagong.



1227 MT

Square Pharma Ltd. | LVPE, Kaliakoir, Gazipur.



1343 MT

KSIL | Knitting Complex, KEPZ, Chittagong.



1500 MT

Square Fashion | Denim Plant, Valuka.

## Selected Projects (1,000-3,000 MT)



1050 MT

Shah Cement Hopper | Munshigonj.



1200 MT

BATB Leaf Warehouse | Kushtia.



1897 MT

CKL Spinning Mills Ltd. | Trishal, Mymensingh.



1228 MT

Uttara Motors Ltd. | Ashulia, Savar.



2095 MT

Square Denim Mills | Hobigonj.



1900 MT

General Pharma | Shafipur, Gazipur.



1010 MT

BSRM | Modonpur, Narayanganj.



1100 MT

GPH Ispat | Chittagong.

### Selected Projects (1,000-3,000 MT)



1132 MT

Fair Electronics (Samsung Mobile Building) | Narsingdi.



1057 MT

KPP BL-5 | KEPZ, Chittagong.



1730 MT

BRB Cables Factory Sheds | Kushtia.



Nasir Quality Glass | Tangail

### Selected Projects (3,000-5,000 MT)



3240 MT

Nasir Glass Industries Limited | Factory, Tangail.



3800 MT

Cocacola Factory Building | Valuka, Mymensingh.



4000 MT

BSRM Factory Building | Chittagong.



4800 MT

Sirajganj Power Plant | Sirajganj.

## Selected Projects (3,000-5,000 MT)



3300 MT

Nasir Float Glass Factory | Tangail.



3256 MT

MCML | Mongla.



3500 MT

AKIJ Cement-Hoppe Stackers, Bucket Elevator, Sub Station | Narayanganj



4600 MT

Healthcare Pharma | Gazipur.



3900 MT

Shah Cement VRM | Munshiganj.

## Selected Projects (5,000 - 10,000 MT)



DTML | Gazipur.



CMT (5 Phase) | Trishal, Mymensingh.



PHP | Feni, Chittagong.

### Selected Projects (Above 10,000 MT)

- An ADB funded project for re-building earthquake devastated schools in Pakistan.



- Schools built in 380 different sites and 1,500 structures (approximately)
- Cumulative weight 10,000 MT covering an area of 1,556,450 sft.



- Exported steel structures worth US\$ 19.8 million under 11 projects.

## Selected Diverse Projects



Aircraft Hanger YOUNGONE | Airport, Kurmitola.



Automobile Shed PHP | Chittagong.



Biscuit Factory, Unimech | Gazipur.



Canteen KSIL | KEPZ, Chittagong.



Canteen Univogue | CEPZ, Chittagong.



Cement Silo Meghna Group | Meghna Ghat.



Connection Bridge DTML | Sreepur, Gazipur.



Container Shed SAPL | Patenga, Chittagong.

## Selected Diverse Projects (Continued)



Convention Centre, Hall 24 | Area HQ, Chittagong.



Cooling Bed Truss BSRM | Nasirabad, Chittagong.



Meghna Innova Tyre Curing Press Building | Tangail.



Factory BSRM | Nasirabad, Chittagong.



Bay Bamboo Garden Project, Gazipur



Garments Factory Topaz Group | Mawna, Gazipur.



Garments Factory Mars Apparels | Nasirabad, Chittagong.



Garments Warehouse ISATL | Chittagong.

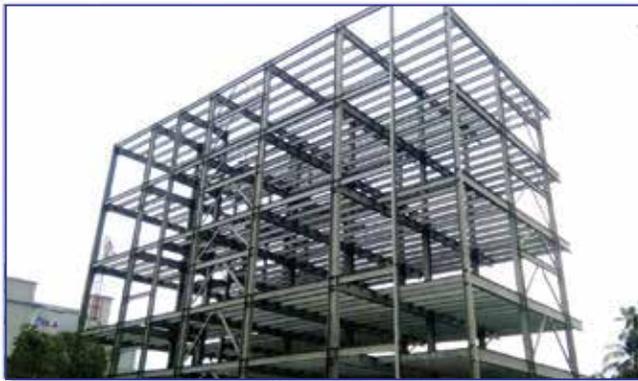
## Selected Diverse Projects (Continued)



Godown Fresh | Meghna Ghat.



Apartment Building CKL | Trishal, Mymensingh.



NIPRO JMI Pharma | Cumilla



PGP Shed Linde | Roopganj, Narayanganj.



Production Plant K R Flexipack | Chittagong.



50MW Power Plant  
TSK Inelectra  
Ashuganj  
Power Plant (50 MW-Gas) TSK (Spain) | Ashuganj.



Unitex Spinning | Chittagong



MTB | Gulshan, Dhaka.

## Selected Diverse Project (Continued)



Summit Power Plant | Narayanganj.



Bashundhara Bridge | Keraniganj.



Spectra Dome | Cumilla.



Square Fashion Dyeing Shed | Valuka, Mymensing.



Square Multi Purpose Warehouse | Hobigonj.



Square Pharma Common Warehouse | Kaliakoir.



COATS BD | Gazipur.



Bay Leather | Konabari, Gazipur.

## Selected Diverse Project (Continued)



BRB VCV Tower | Kushtia.



Partex Gypsum Plant | Narayanganj.



Youngone, KEPZ | Chittagong.



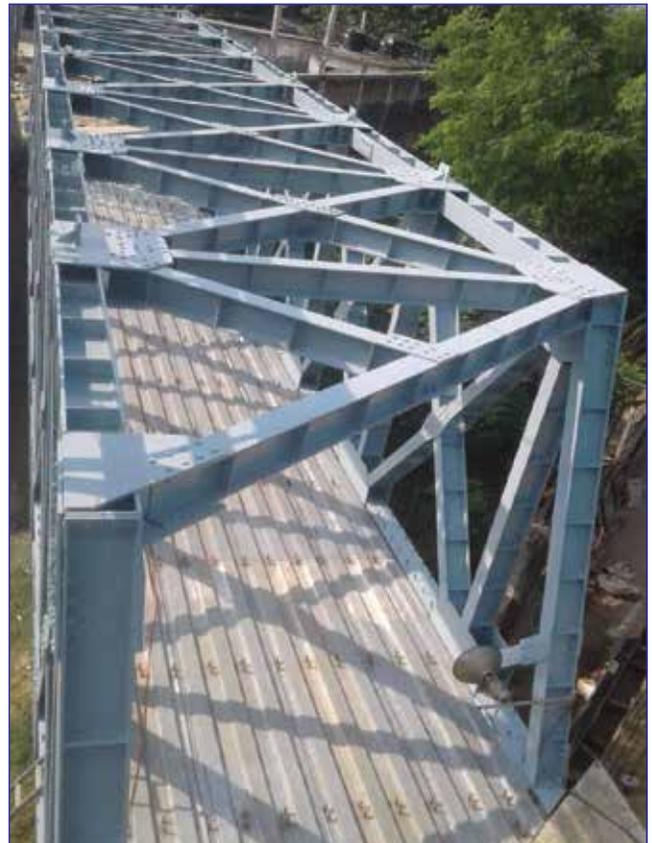
Unimed Warehouse | Gazipur.



Bashundhara Sports Complex | Dhaka



Unilever | Chittagong.



PHP Bridge | Chittagong.

# PEB STEEL ALLIANCE LTD



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## **Factory:**

Zamura, Nowabazar, Chouddagram,  
Cumilla, Bangladesh.

