

Infrastructures Engineered To Perfection

Corporate Profile



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Overview

We, PKM Metal Buildings Company Pvt Ltd was incorporated in the year 2005 to cater the ever increasing demand from the client base created by its Parent Company., P.K.MOHAMMED & Co., for the manufacture and supply of quality PRE-ENGINEERD METAL BUILDING YSTEMS (PEB). P.K.MOHAMMED & CO., was the brainchild of an entrepreneur, visionary Mr.P.K. Mohammed to meet the steel industry requirements.



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We Design & Supply Steel Structure involved in industrial building such as quality Pre-Engineered Metal building System (PEB). Process Towers, Feed Mills and all kind of Conventional & PEB Steel Structures.



Philosophy & Goals

Our Vision

To set bench mark for our nation's construction industry by implementing superior innovative technology, competent engineering and customer services; thus leading the company to enhance its presence in the realm of Pre-Engineered Metal Building Systems (PEB) and general steel structures.

Our Vision

Operational Health & Project Safety

Commitment & Deliveries at Best

Quality Standards at Best

Complete Customer Satisfaction & Services

Our Quality Policy

PKM METAL BUILDINGS COMPANY PRIVATE LIMITED is committed to achieve Customer Satisfaction by Providing Excellent Design, Fabrication & Erection of Pre - Engineered Steel Buildings at affordable price, quality and schedule.

This will be achieved through Continual Improvement in our Quality Management System and Total Employee Involvement.

Structural Steel Buildings

Concept-PEB

The PEB concept is designed to provide a complete building system, which is spacious, economical, eco-friendly and customized. The basic steel frame work blending built-up sections, hot rolled and cold formed steel material to form a technically stable and aesthetically appealing metal building concept. Adding to the structural qualities, the inclusions of optional sub systems like mezzanine floors, canopies, extensions, and crane systems increases the utility of the metal buildings. Large span and high rise buildings are easily executed.

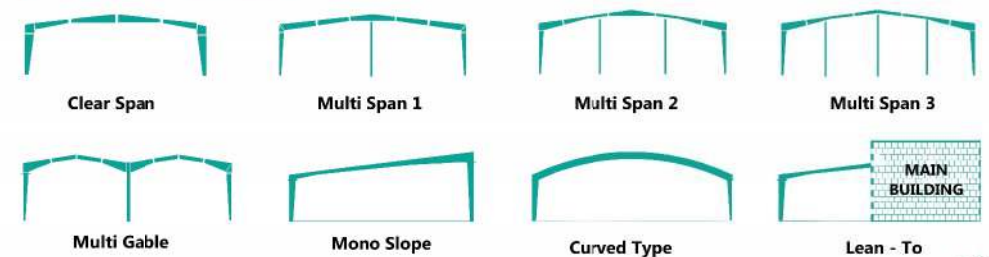
Applications

Industrial Buildings / Factories / Ware Houses / Power Generation / Railway Stations / Workshops / Air Craft Hangars / Marriage Halls / Sports Centres / Super Markets / Gas Stations / Schools & Colleges / Distribution Centres / Convention Halls / Commercial Show Rooms / Restaurants and Resorts / Poultry Farm / Tiny Sector Sheds / Security Cabins / Multi Storeyed etc.

Benefits

Design optimization – Future expansions are easy – Great volumetric space can be achieved, coping with all climates, Fire resistant can be made, Quality Standards, Maximum Resistance to heavy wind Loads and Seismic Disturbances – Design, Manufacturing and Erection are smoothly executed, Quick Delivery, Possibility of quick construction due to design optimization. Architectural supremacy, Energy efficient and hence Eco friendly, low maintenance cost, best suited for all kinds of modern application compatibility.

Types - PEB



Resources

Infrastructure

PKM METAL BUILDINGS COMPANY PRIVATE LIMITED has over 6 acres of sprawling factory premises with over 80000 Sq.Ft of covered area. It is well equipped with latest machineries in the business to meet the most sophisticated requirement of Structural Steel Fabrication works.

PKM METAL BUILDINGS COMPANY PRIVATE LIMITED has about 500 employees with over 100 employees are being in the pay role and others on contractual basis to meet scheduled commitments with faultless execution of projects.

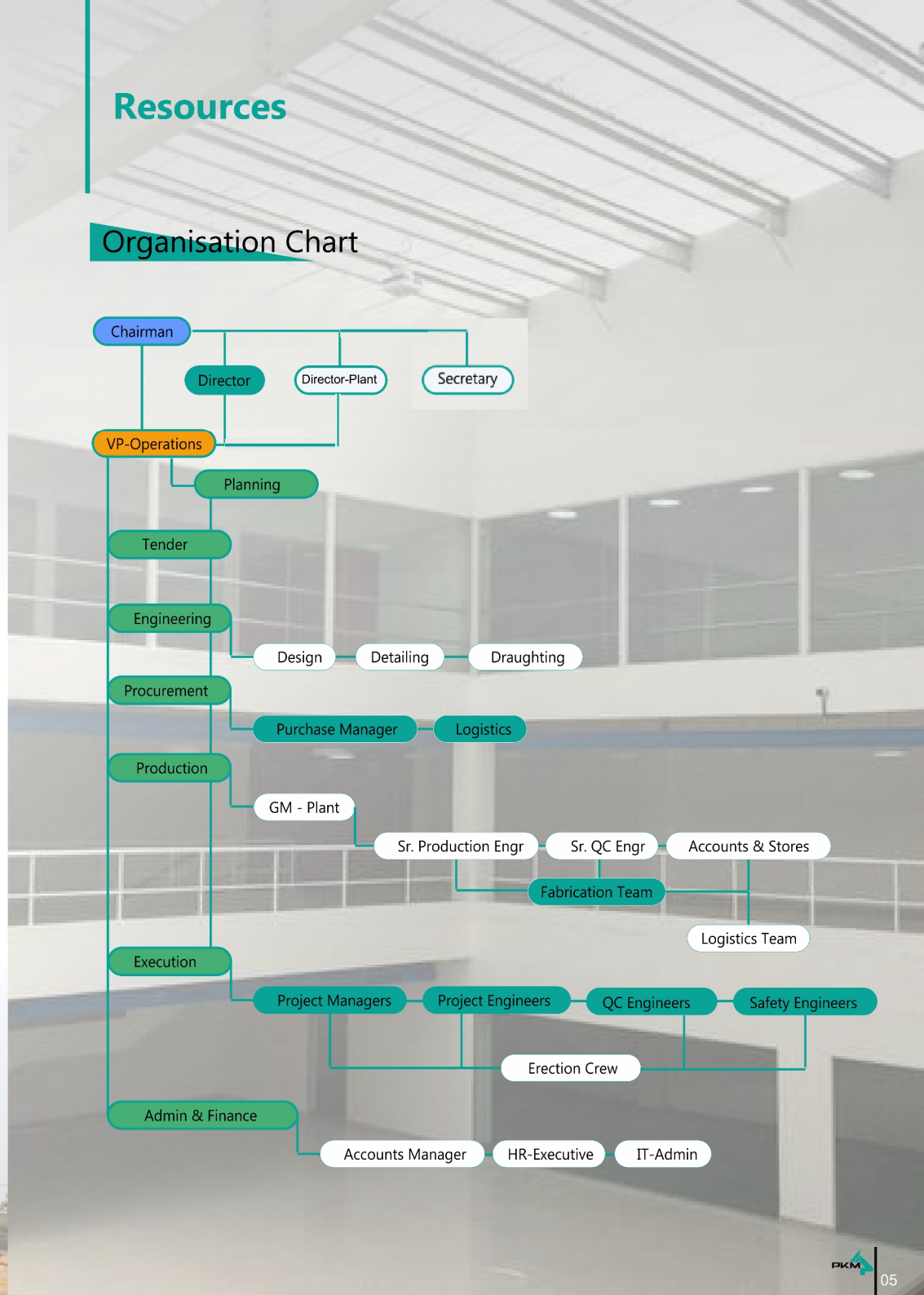
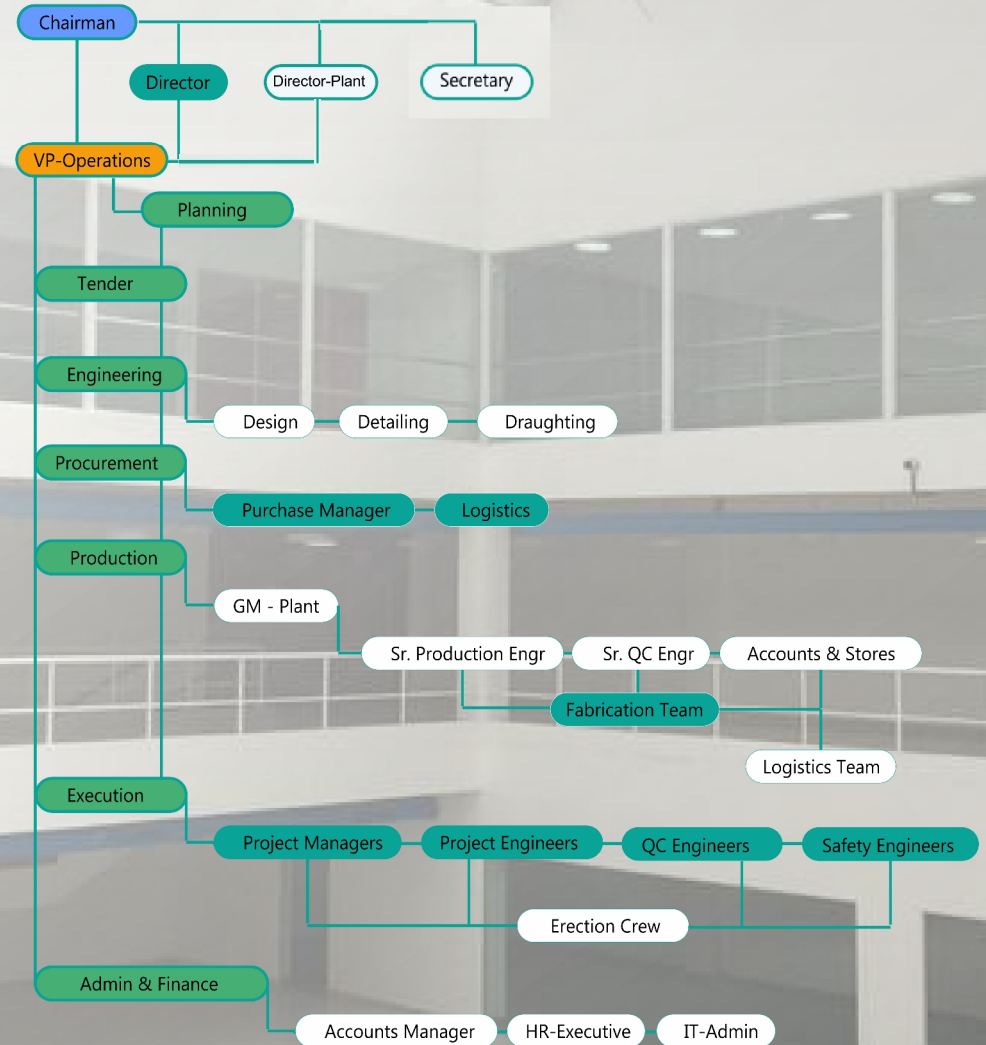
These forms the essence of a high degree professionalism that goes with every structural engineering Company. Beyond this would be sheer grit and sweat to make any effort absolutely successful and worth its while. Such qualities deeply ingrained within the core of its operations, PKM METAL BUILDINGS COMPANY PRIVATE LIMITED, have stood the test of time and competition since 4 decades.

Within a dozen year of its LINE EXPANSION to PEB; PKM METAL BUILDINGS COMPANY PRIVATE LIMITED has reached the production capacity of about 12000 MT / Annum of Primary and Secondary members. It is well equipped with relevant machineries with 350 HP Connected Load to nullify any time constraints from client.



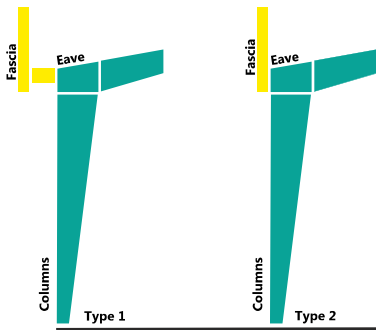
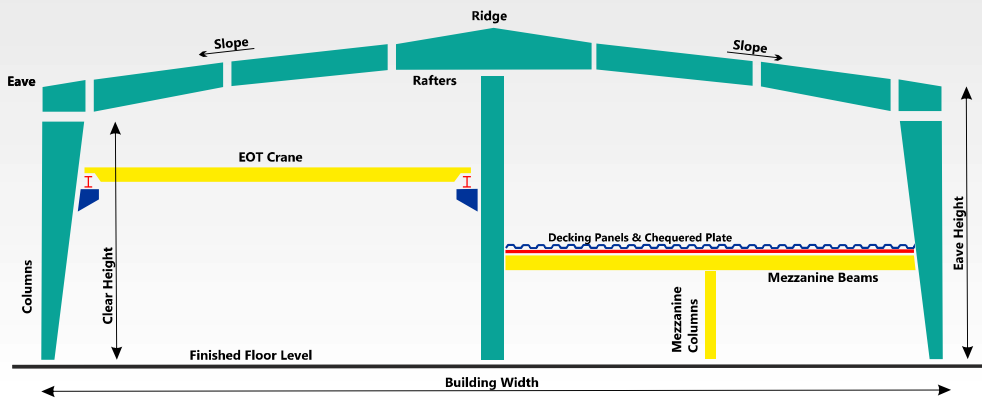
Resources

Organisation Chart

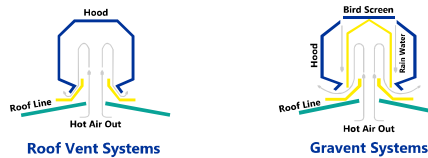
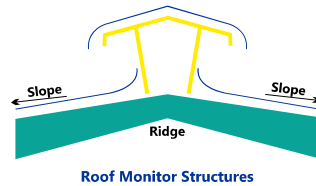


Structural Steel Buildings

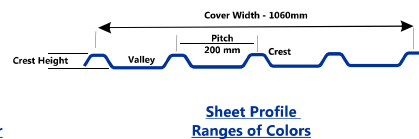
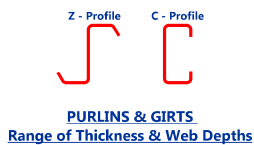
Schematic Building Arrangements with Components & Accessories



FASCIA Structures



For Various Building Application & Various Throat Sizes



Structural Steel Buildings

Building Components Process

ANCHOR BOLT: The steel column strut of Pre-Engineered Building and RCC interface shall be designed as a fixed / pinned base with appropriate diameter anchor bolt according to the design calculation.

PRIMARY STRUCTURAL MEMBERS: Primary structural members like Columns and Rafters, Interior Columns and other Built-up sections are made from hot rolled plates conforming to ASTM A-572 Gr50 (345 Mpa) steel. The plates are joined together by a continuous automatic submerged arc welding process to produce the section required. Secondary members like Purlins are cold formed sections using HR / GI coils of Grade B, IS 2062 / 1079 unless specified otherwise by the customers. Rod and angle bracing shall conform to the physical specification of ASTM A 36/IS:2062 and having Minimum Yield Strength of 250Mpa.

SECONDARY STRUCTURAL MEMBERS: Secondary Structural Members like purlins of both 'C' & 'Z' profiles were formed from GI / HR coils with thickness range from 1.50 mm to 3.00 mm with depth ranging from 200mm to 300mm

STEEL WORK FINISH: Primary steel shall be cleaned to Standard Surface preparation. One shop coat of Red Oxide primer shall be applied with an average dry film thickness of 25 microns on all bare steel. Shop primer provides protection for elements while in transit and construction and is not intended to be for permanent protection. Epoxy paint, Flash Coating, Enamel Paint and sand blast is done on as per client requirements and standards.

ROOFING & CLADDING PROFILE: Single Skin Panels (0.47 / 0.5mm TCT) of Cover Width 1060mm, 31-32mm Crest depth at 200mm c/c with 2 ribs at centre for Stiffening. Material: Galvalume Steel Sheets of AZ150 (Coating of Aluminium + Zinc, 150 grams per Sq. Mtr) class and basic steel of Yield Strength 550 Mpa, coated with alloy of 55% aluminium, 43.4% zinc and 1.6% silicon, conforming to ASTM A792 M - Galvalume Coating, AS 1397 - Anti Finger Print Coating & ASTM A 924 for Mechanical Properties. Galvalume Steel Sheets are coloured - top surface coated with 20- 25 microns of polyester and bottom coated with 5-10 microns over and above epoxy primer, Bare Galvalume are not coated with any colour and looks in Natural Silver.

Structural Steel Buildings

ACCESSORIES: All aided and supporting accessories like, Mezzanine, Staircase, Handrails, Portals, Monitors, Insulation, Canopy, Crane Bracket with Supporting Girders (Except EOT Crane System), Louvers, Ridge Vents, Ventilators, Gutter, Downspouts, Flashings, Trims, etc. Will be made as in-line to the design and quality recommendations of the Client for their project needs.

Components

Main Frame – End Wall Frame – Rafters – Purlins, Eave Struts, Girts– Sheeting – Crane system – Mezzanine System – Bracing System – Accessories - Anchor bolts etc.

Design CODES

Top PEB manufacturers adhere to established international norms, to ensure safety, quality and perfection.

IS 800: 2007/1984 - GENERAL CONSTRUCTION IN STEEL

AISI 2001 - COLD-FORMED LIGHT GAUGE STEEL STRUCTURAL

IS 875: 1987 - CODE OF PRACTICE FOR DESIGN LOADS

IS 1893: 2005 – SEISMIC DESIGN LOADS

MBMA 1996/2005

Design Standards

Building shall be designed in accordance with the specification of American Institute of Steel Construction (AISC -1989) and the American Iron & Steel Institute (AISI 1986 Edition).

Shall utilize the materials, which conform to the American Society of Testing and Materials (ASTM) or equivalent British, European or Japanese Specifications.

Fabrication in accordance with the "AISC-1989", Tolerance in accordance with the Metal Building Manufacturers Association (MBMA) and Welding Process, Procedure and

Qualification in accordance with applicable requirements of Structural Welding Code AWS D1-1M: 2007 of American Welding Society.

Wherefore PKM

One Should Opt for PKM

Up-to-date Technical Knowhow

Quality Raw Materials

Technical and Engineering Support

Sheer Production Capability & Outstanding Infra-Structural Facilities

International Standardization

Flawless Customer Care

Dedicated Design Team

Multi-Storeyed Buildings Execution

Numerous Testimonies from Satisfied Multinational Clients.

Nation-Wide Projects Execution.

Total Building Solutions

Apart from PEB. We Make

Conventional Steel Structures
Process Towers & Feed Mills
Used for Hatchery & Aqua Culture
Warehouses, Process Plants
& any kind of Metal Building Components.



Quality System Accreditation

PKM Metal Buildings Company Private Limited

Has Been Assessed by **TNV Certification Pvt Ltd** and Registered as Complying with the requirements of the following International Standard

ISO 9001:2015

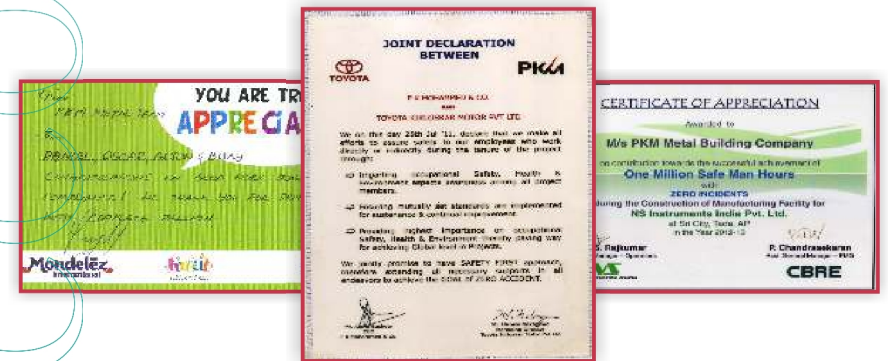
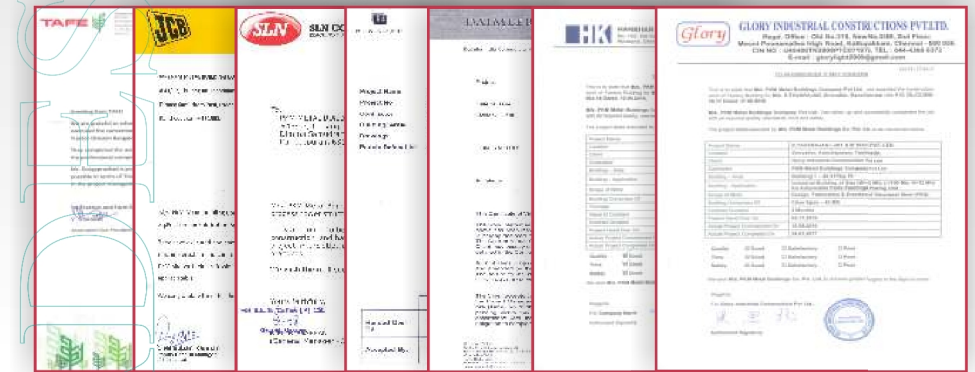
The Quality Management System Application to the Scope **“Design, Fabrication and Erection of Pre-Engineered Steel Buildings, Metal Building Components and related Structural Works”**



Testimonials

PKM Metal Buildings Company Private Limited

Has received various accolades from many Reputed MNC's for their best execution and completion of Project undertaken over these years.



Associates

Renowned Clients



Since 1995



Since 1995



Since 1999



Since 2018



Since 2010



Since 2019



Since 2011



Since 2012



Since 2015



Registered Vendor of
Engineers India Limited
(A Govt. Of India Undertaking)

Architects & Consultants

CRN Architects

JAYAM Consultant

SEMAC

Chetana

PTK Architects

Ashwathnarayana & Eshwara

APRO Build

HK Architects

MITHRAN Structures

IDEAL Structures

CTC Designers

TATA Consulting Engineers

JLL

FABS India

FSO

Mahambrey Associates

EMMARDE

Gowthamy Engineering

PK Associates

Clientele & Projects

Automotive - Heavy, Tyres, Ancillary, & Electrical Industries

Clients	Location	Scope
MRF	Tamilnadi, Goa, Kerala	Conventional+PEB
Sundaram Auto Components	Tamilnadu – Hosur	PEB
Ijjin Global	Maharastra – Pune	PEB
Gestamp	Chennai – Sriperumbudur	PEB
TVS Motor Company	Karnataka – Mysore	PEB
TVS Motor Company	Tamilnadu – Hosur	PEB
Dong Sung	Chennai – Thiruvallur	PEB
Rane Madras Ltd	Chennai – Varanavasi	PEB
Vignesh Polymers – Phase 2	Chennai – Vallam	Civil+PEB
JK Tyres – FG Shed	Karnataka- Mysore	Conventional
Vignesh Polymers – Phase 1	Chennai – Vallam	Civil+PEB
Hyoseong Electric India Pvt Ltd	Chennai – Sengadu	PEB
Renault Nissan Automotive	Chennai – Oragadam	Civil+PEB
GN Industries	Chennai – Ayapakkam	PEB
Gokul Auto Tech	Chennai – Oragadam	PEB
P&B Engineering	Chennai – Oragadam	PEB
Sri Krishna Works	Chennai – Thirumudivakkam	PEB
Gokul Autotech Pvt Ltd	Chennai – Oragadam	Civil+PEB
JCB India Ltd	Maharastra – Pune	PEB
Apollo Tyres Ltd	Chennai – Oragadam	Conventional
Ford India Ltd	Chennai – Maaraimalai Nagar	Conventional
Allison Transmission	Chennai – Oragadam	Conventional

Processing – Food, Steel & Rubber Industries

Clients	Location	Scope
CP Aquaculture	Tamilnadu & Andhra	Conventional+PEB
SLN Cofee	Karnataka – Coorg	PEB
BM Constructions	West Bengal – Karaghpur	PEB
Grobest Feeds	Chennai – Kathirvedu	Civil
Tube Products of India	Chennai – Avadi	PEB
United Agro Ltd	Tamilnadu - Salem	PEB
Cadbury India Ltd	Andhra – Tada	Conventional
Kadimi Special Steels	Chennai – Pillaipakkam	Conventional
Thejo Engineering Ltd	Chennai – Karanodai	Civil+Structural
POSCO Steel Processing	Chennai – Oragadam	Conventional
Sri Sarvaraya Sugars	Andhra– Rajamundry	PEB
PERFETTI – Vanmelle	Chennai – Urapakkam	Conventional
SLN Cofee (P) Ltd	Karnataka – Kushal Nagar	Process Tower
Thejo Engineering Ltd	Chennai – Alijivakkam	PEB
ITC Limited	Chennai – Thiruvottiyur	PEB

Clientele & Projects

Power & Locomotives - Pressure Parts & Heavy Industries

Clients	Location	Scope
ALSTOM T&D	Chennai – Padappai	Civil+PEB
Spirax Sarco	Chennai – Mahindra City	PEB
ALSTOM Transport	Andhra – Tada	PEB
NS Instruments	Andhra – Tada	Conventional
AREVA India Ltd	Chennai – Padappai	Conventional
Modine Thermal Systems	Chennai – Sriperumbudur	PEB

Chemical, Pharmaceuticals & Paint Processing

Clients	Location	Scope
Chemetall	Chennai – Oragadam	PEB
Jay and B Tech	Chennai – Kancheepuram	PEB
Visen Industries	Chennai – Sriperumbudur	PEB+Multi Storeyed
EPPENDORF	Chennai – Ambattur	PEB
TITAN India Ltd	Tamilnadu – Coimbatore	PEB
Chemfab Alkalies	Pondicherry	Conventional

Electrical & Electronics Industries

Clients	Location	Scope
Samsung India Pvt Ltd	Chennai - Sriperumbudur	Civil+PEB
GE India Technology Centre	Karnataka – Bangalore	PEB
EASUN Reyrolle Ltd	Karnataka – Bangalore	Conventional
R STAHL (P) Ltd	Chennai – Maraimalai Nagar	PEB
Midas Safety Pvt Ltd	Chennai – Irungattukottai	PEB

Institution, Toys & Ground Engineering Industries

Clients	Location	Scope
SeaShell Hyper Mall	Karnataka – Bangalore	PEB
Adwitiya Projects	Chennai – Vallam	PEB
Kern Enterprise	Tamilnadu – Madurai	PEB
Precia Molen	Chennai – Oragadam	PEB
Chennai Institute Of Technology	Chennai – Kundrathur	PEB
Indian Institute Of Technology	Andhra - Tirupathi	PEB
Funskool India Ltd	Goa – Corlim	PEB
Sri Krishna College	Tamilnadu – Coimbatore	Conventional
Keller Ground Engineering	Chennai – Madhavaram	Conventional

Clientele & Projects




FACTORY

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Dimma Samudram Post, Near Vellagate,
Kancheepuram - 631 502.

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