Navyaandhra
Engineering & Constructions



CORPORATE BROCHURE

"Efficiency in design, precision in construction, and innovation in engineering. Pre-Engineered Buildings redefine the future of architecture and infrastructure"

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About Us

We, **M/s Navyaandhra Engineering & Constructions India Pvt Ltd (NECI)**, boasts extensive expertise in the realm of Pre-Engineered Buildings (PEB) and a diverse portfolio of successful projects. With a strong commitment to quality and innovation, we cater to the unique needs of industries seeking reliable and efficient building solutions.

M/s Navyaandhra Engineering & Constructions established in June 2024, our company is spearheaded by directors with over a decade of invaluable experience in designing, detailing, fabricating, and erecting the PEBs.

At **M/s Navyaandhra Engineering & Constructions**, we pride ourselves on delivering meticulous craftsmanship and innovative solutions tailored to meet the unique needs of every project. Our commitment to quality, efficiency, and client satisfaction ensures that we consistently exceed expectations in every aspect of our work.

Our Vision

To be the world's leading partner in PEB manufacturing and construction, renowned for our unwavering commitment to quality, sustainability, and surpassing client's expectations.

Our Mission

Our mission is to deliver superior PEB solutions tailored to our clients' specific needs. By leveraging advanced technology and a skilled workforce, we ensure timely project delivery with uncompromising quality, within budget, and with utmost safety. We strive to build enduring relationships with our clients through trust, integrity, and innovation.



It is better to work out than rust out
– Mokshagundam Visvesvarya

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What is a Pre-Engineered Building PEB?

A Pre-Engineered Building (PEB) is a structure that is built using a systematic approach to design fabrication and assembly into a streamlined process. PEBs represent a modern approach to construction that combines efficiency, customization, and cost-effectiveness. They are designed to meet diverse structural needs while maintaining high standards of quality and durability.



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Why PEB?

1. **Design Integration:** PEBs involve the integration of structural steel framing systems with roofing and wall cladding solutions. This integration is achieved through advanced engineering principles and software, ensuring that all components work together seamlessly.

2. **Customization:** Despite the standardized manufacturing process, PEBs offer a high degree of customization to meet specific project requirements. This includes varying spans, heights, roof slopes, and architectural finishes.

3. **Efficiency:** PEBs are known for their efficiency in both design and construction phases. The use of standardized components and factory-made elements reduces construction time significantly compared to conventional buildings.

4. **Cost-effectiveness:** By optimizing materials and reducing construction time, PEBs offer cost savings in terms of labour, maintenance, and operational expenses over the lifecycle of the building.

5. **Quality Control:** Manufacturing PEB components in a controlled factory environment ensures high quality and precision. This minimizes errors and ensures consistency in structural integrity and performance.

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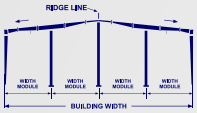
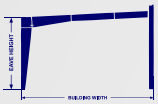
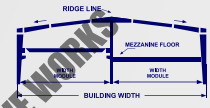
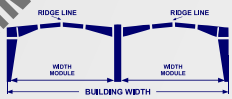
> *If you want to shine like a sun, first burn like a sun*
> *– Dr. APJ Abdul Kalam*

Types of Pre-Engineered Buildings (PEB):

FRAME SHAPE	FRAME TYPE	REMARKS
	Clear Span	Clear span PEBs have a single frame that spans from one end to the other without any interior columns. They are suitable for smaller to medium-sized buildings where uninterrupted interior space is required.
	Multi-Span Buildings	Multi-span PEBs feature multiple frames connected with intermediate columns, providing larger clear spans and increased flexibility in layout design.
	Lean-to Buildings	Lean-to PEBs are extensions attached to an existing building, sharing one side of the main structure for support. They are often used to expand storage or operational space economically.
	Tapered Beam Buildings	Tapered beam PEBs utilize tapered sections in beams and columns to optimize material use and structural efficiency. They are ideal for structures with varying loads or spans.
	Multi-Span with Crane & Mezzanine	PEB (Pre-Engineered Building) involves creating a structure that accommodates multiple spans and includes a mezzanine level capable of supporting crane operations up to 250MT.
	Rigid Frame Multi-Gable	Clear span PEBs have a single frame that spans from one end to the other without any interior columns. They are suitable for smaller to medium-sized buildings where uninterrupted interior space is required.

Applications of Pre-Engineered Buildings (PEB):



Industrial Buildings
(Factories)



Commercial Buildings
(Sports Centers)



Agricultural Buildings
(Rice Mills, Godowns, Cold Storage, Storage Sheds)



Institutional Buildings
(Educational, Devotional, Functional Halls)



Warehousing Buildings
(Logistics Buildings)



Showroom Buildings
(Bike Showrooms, Banks & Conventional Halls)



Power Plants
(Steel Factories, Hydrogen Plants & Power Plants)



Aviation Hangers
(Airports, Railway Station & Bus Stations)



High Rise Buildings
(Residential, Resorts &Villas)

Arise, Awake, and stop not until the goal is reached
*– **Swami Vivekananda***

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Accessories of PEB:

Accessories play a crucial role in enhancing the functionality, durability, and aesthetic appeal of Pre-Engineered Buildings (PEB). Here are some common accessories used in PEB construction:

PRIMARY STRUCTURE









SECONDARY STRUCTURE









ACCESSORIES





















*If you want to walk fast, walk alone. But if you want to walk far, walk together – **Ratan Tata***

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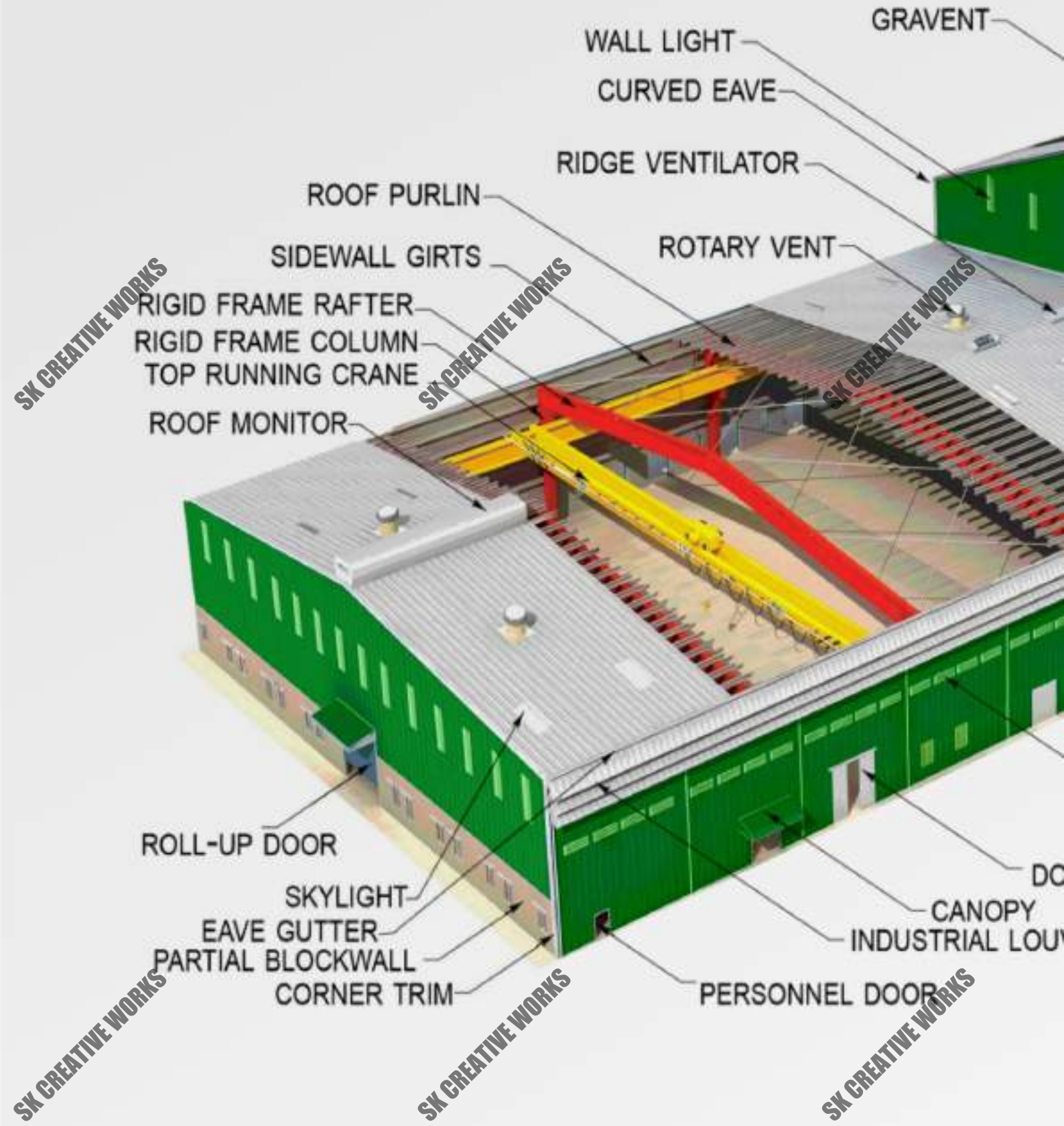
Pre-Engineered Building System



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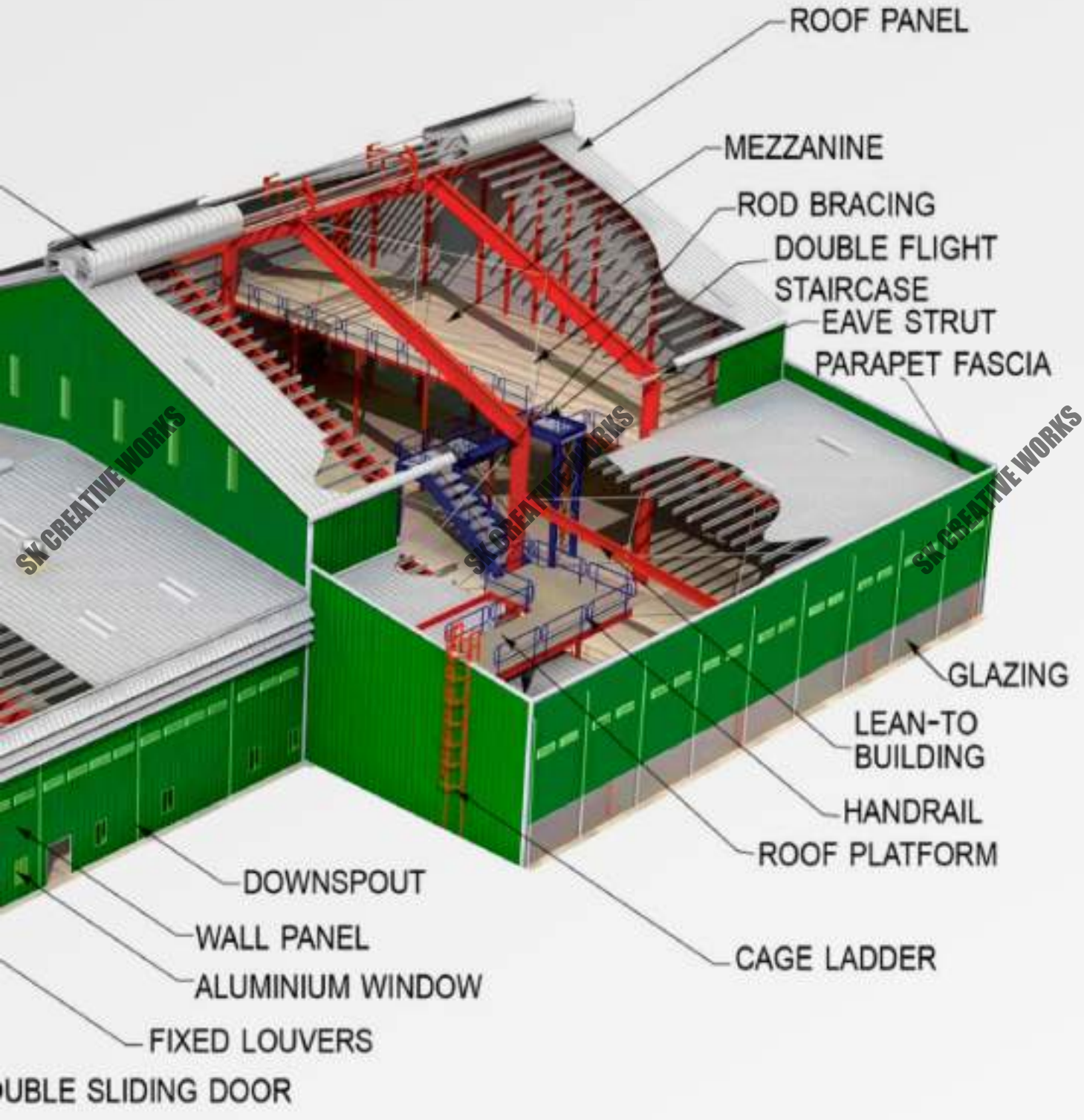

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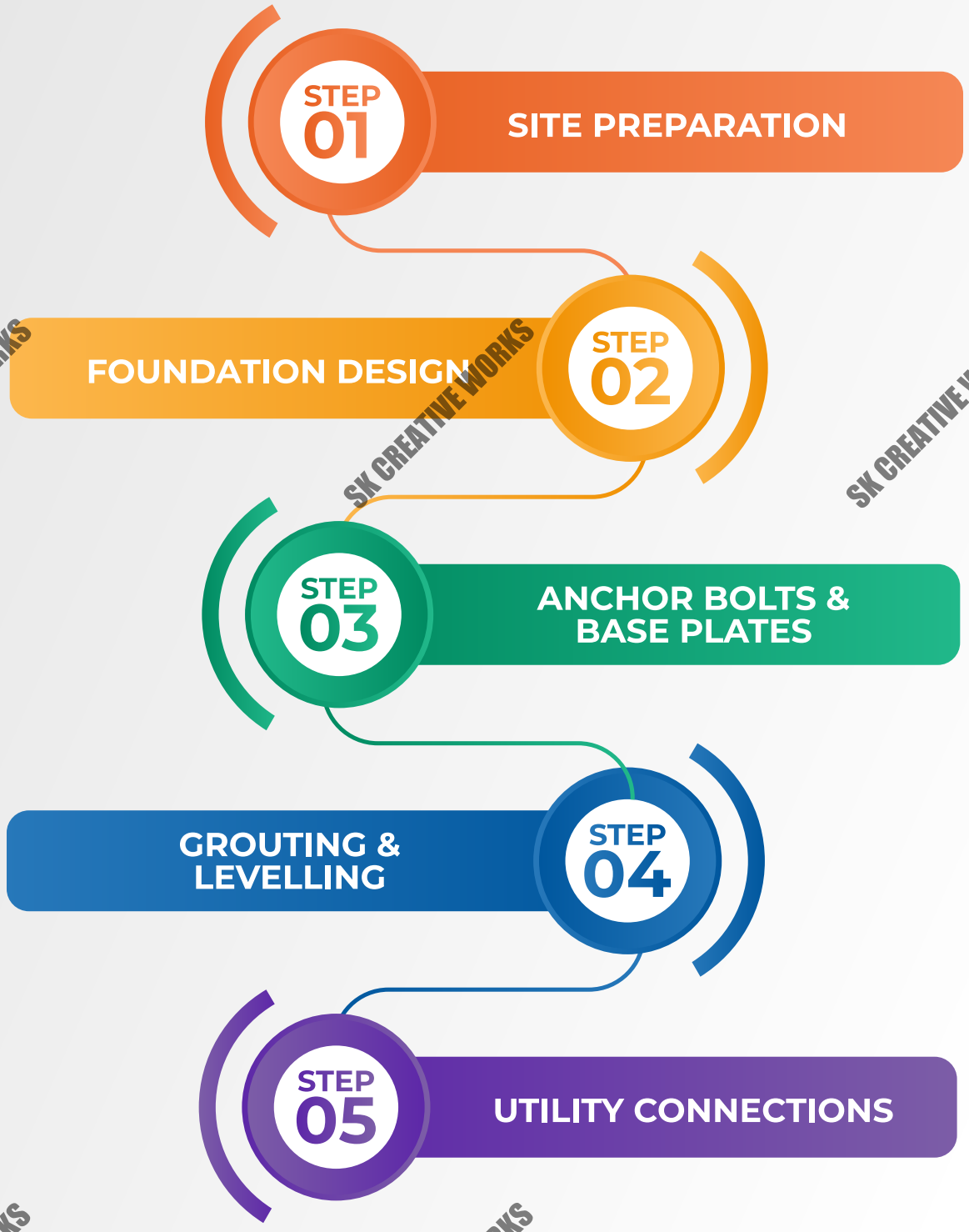
Civil Works in Pre-Engineered Buildings (PEB):

Civil work in PEB involves meticulous planning, design, and execution of foundation systems and site infrastructure to support the installation and functionality of PEB structures. It plays a crucial role in ensuring structural stability, operational efficiency, and compliance with regulatory standards throughout the construction process.



*Failure is an option here. If things are not failing, you are not innovating enough – **Elon Musk***

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Project Management by Navyaandhra

Project Management plays a pivotal role in the successful execution of construction projects by offering professional oversight and management expertise. **M/s Navyaandhra** act as trusted advisors to clients, ensuring that projects are delivered on time, within budget, and to the desired quality standards.

KEY RESPONSIBILITIES

- PLANNING & DESIGN PHASE
- EXECUTION & MONITORING
- RISK MANAGEMENT
- COORDINATION & COMMUNICATION
- PROJECT DOCUMENTATION & REPORTING

Benefits of Project Management Services:

- Expertise and Experience
- Time Management
- Cost Efficiency
- Quality Assurance

Safety by Navyaandhra

Implementing comprehensive safety protocols on construction sites is crucial to ensuring the well-being of workers, minimizing accidents, and complying with regulatory standards. Here's a detailed outline of safety protocols by **M/s Navyaandhra** used on construction sites:



Personal Protective Equipment (PPE)



Safety Training & Awareness



Fall Prevention & Protection



Tool and Equipment Safety

Site Access and Egress



Risk Assessment & Hazard Control



Electrical Safety & Fire Safety



Material Handling & Storage





Health & Hygiene

> *We should never give up our values for our ambitions*
>
> **– Sudha Murthy**

Our Machinery



CNC Plasma Cutting Machine



Shearing Machine



Saw Welding Machine



Radial Drilling Machine



MIG Welding Machine



Sand Blasting Hooper

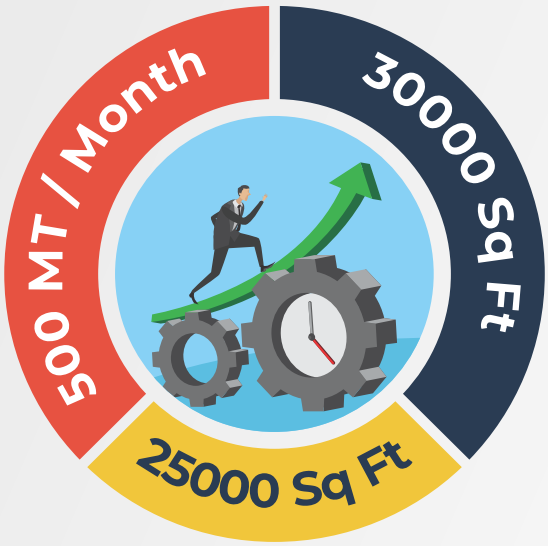


Air Compressor



Grinding Machines

Our Capacity



PRODUCTION CAPACITY

FABRICATION AREA

STOCK HOLDING AREA

*Leaders don't look behind; they don't look to the side they look ahead - **Anand Mahindra***

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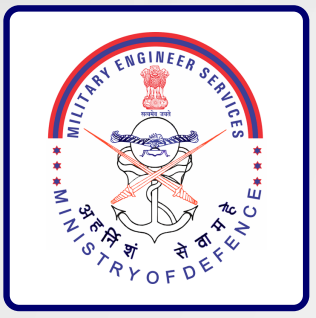
Our Clients

































Beginners mind"- I simply enjoy the thrill of learning something new! – ***Sridhar Vembu***

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