



NAV KAR
ENGINEERS & CONSTRUCTOR

**Award Nomination
Presentation For
Gujarat Nirman Sanman - Awards 2025**





About Our Company

Navkar Engineers & Constructor was founded by Mr. Chetan Kothari, a qualified Civil Engineer and visionary infrastructure leader, in 1996. The company notched up a record performance within just few years, with a portfolio of impressive projects and establishing a prestigious, loyal clientele. Under Chetan Kothari's inspirational leadership, creative vision and techno-commercial expertise, Navkar Engineers & Constructor has already established itself as a civil construction company to reckon with, having a long list of prestigious projects in diverse segments, offering complete solution from Designing, Planning, Engineering, Fabrication and Construction spread across various sectors such as corporate complexes, industrial premises, warehouses, residential and numerous other projects.

Services

Planning & Designing

Our core strength is in planning and designing of Industrial Structures, Warehouses and Factories. Our design approach is to work closely with the owner of the project to develop a built environment that is useful, efficient, and beneficial to its users

STRUCTURE ENGINEERING

We handle entire structural segment, right from analysis, designing, drafting, and modelling. Our aim of offering structural services to our clients is to achieve complete customer satisfaction & appreciation for quality services.

PEB

We offer complete range of Pre Engineering Building with customization. We understand the exact requirement and suggest the right solutions to make it cost-effective and optimum utilization of space & resources.

SEM

We are known for our value engineering services. We understand each and every details of the client and amalgamate the information with right set of technical inputs to offer the best possible solution.

Proof Checking of Structural Engineering

We have successfully offered this service to number of projects. It includes checking of structural engineering includes checking of Design, drawings, details and requirements of structure as per tender document along with site visits.

End User

We have a special wing to take care of Interior Designing & Landscaping suiting the client taste and maintaining the aesthetics. We value-add to the overall project by creating the right combination of interior designing and landscaping.

Leadership Team



Chetan Kothari (Founder & Designer)



After graduating in B.E Civil Engineering in 1983, Chetan Kothari worked as an engineer in several reputed construction companies in Ahmedabad. His hard work, dedication and commitment to continuous learning, shaped his foundational and leadership competencies. In year 1996 Mr. Chetan Kothari, laid the foundation of Navkar Engineers & Constructor providing design to construction of Industrial Projects. Today Chetan Kothari with 30+ years of experience look after Designing, Planning and Execution of projects ensuring quality at all levels.



Jash Kothari (Project Manager Consultant)



Jash Kothari, a second generation entrepreneur has all it takes to take Navkar Engineers & Constructor to a new height of success. Jash is a B.E. Civil Engineer and has worked in few reputed construction companies of Ahmedabad which has give him a complete exposure to latest technologies and new working methodologies. Jash joined Navkar Engineers & Constructor in year 2018 with a vision to take up more challenging projects and to offer the best solution to the clients. Jash currently handles Project Execution, Coordination, Estimation & Cost Budgeting, Preparing Progress Reports and Rate Analysis.

Client: Algo Pumps

ALGO positions itself as not just a pump manufacturing company but as a dependable, technologically sound and one stop solution provider to meet the diverse needs of customers across the globe. Understanding the need of efficient and cost effective pumping solutions and fluid management systems ALGO is established by the veterans having more than 30 years of diversified experience.

Location: Chattral Nadasan Road

ALGO FLUID SYSTEMS PRIVATE LIMITED Survey No. 185,Ahmedabad-Mehsana Highway, Ghumasan Road, Chandarda, Ta- Kadi, Dist- Mehsana, Gujarat-384450. Tel.: +91- 2764-234240 / 93164 31347 E-mail: sales@algotpumps.com	ALGO GROUP OF COMPANIES Ahmedabad Coimbatore Pune Secunderabad Intl Stock Hubs : Nairobi - Kenya Valencia - Spain
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PUMPS | MOTORS | CABLES | PIPES | CONTROLS & DRIVES | SOLAR SOLUTIONS



Project Overview

This nomination presents an area 4676 Sq Mtr. of industrial building designed and executed using traditional RCC construction methods. The design balances functionality, safety, and sustainability while avoiding modern PEB shortcuts to emphasize long-term durability and earthquake resilience.

Project Details

Scope: Design, Construction & Execution

Plot Area
6200 Sq Mtr.

Plant Area
Construction
1875 Sq Mtr.

Slab Construction
Area
725 Sq Mtr.

Office Building
1000 Sq Mtr.

Rest Room
575 Sq Mtr.

Other Areas
500 Sq Mtr.

Total Construction Area
4676 Sq Mtr.

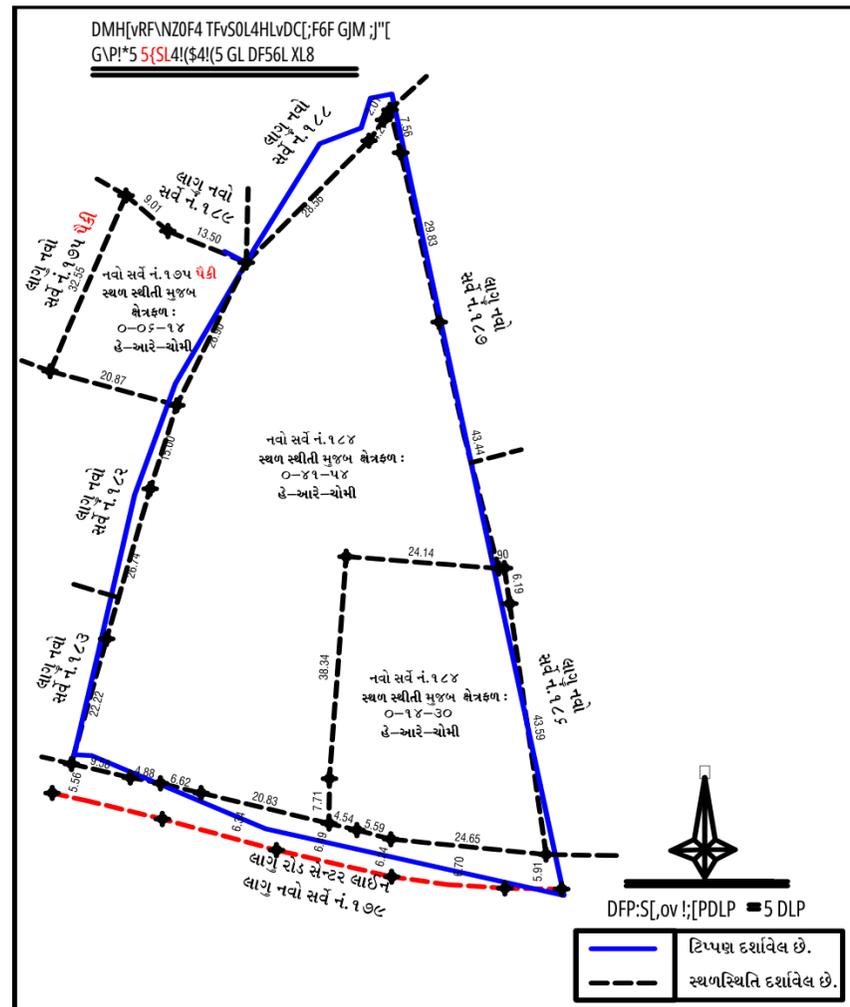
Project Start & End Date
Jan 2023 - December 2024

Project Cost
Apprx. 5 Crore

1. Strategic Placement

Free-Standing Construction for Safety & Access

- Building does not touch any compound wall.
- All sides open – essential for:
 - Free movement for trucks
 - Emergency vehicle access
 - Firefighting efficiency



2. Economic Efficiency

Cost-Effective Yet High Quality

- Smart material use and traditional methods = optimized budget.
- No compromise on quality or safety.
- Project delivered on time and within budget



3. Traditional Design Over PEB

Honoring Traditional Construction Excellence:

- Project designed with RCC columns and beams, not Pre-Engineered Buildings.
- Ensures strength, fire resistance, and longevity.
- Reflects architectural precision while maintaining cost-effectiveness.



4. Design meets Reality

What You See is What You Get

- Building's 3D model and final construction are 100% identical.
- No compromise on design execution.
- Delivers exact vision to life, ensuring stakeholder trust.



5. Structural Highlights

Project Highlights

Robust RCC Framework

- RCC columns and beams offer structural integrity.
- Plastered and clear walls ensure a clean, finished look.
- Designed for long-term performance.

Smart Bracket Design for Crane Movement

- Bracket extensions from columns allow crane mobility.
- Enhances internal logistics and operational flexibility.
- Minimizes installation and movement obstructions.



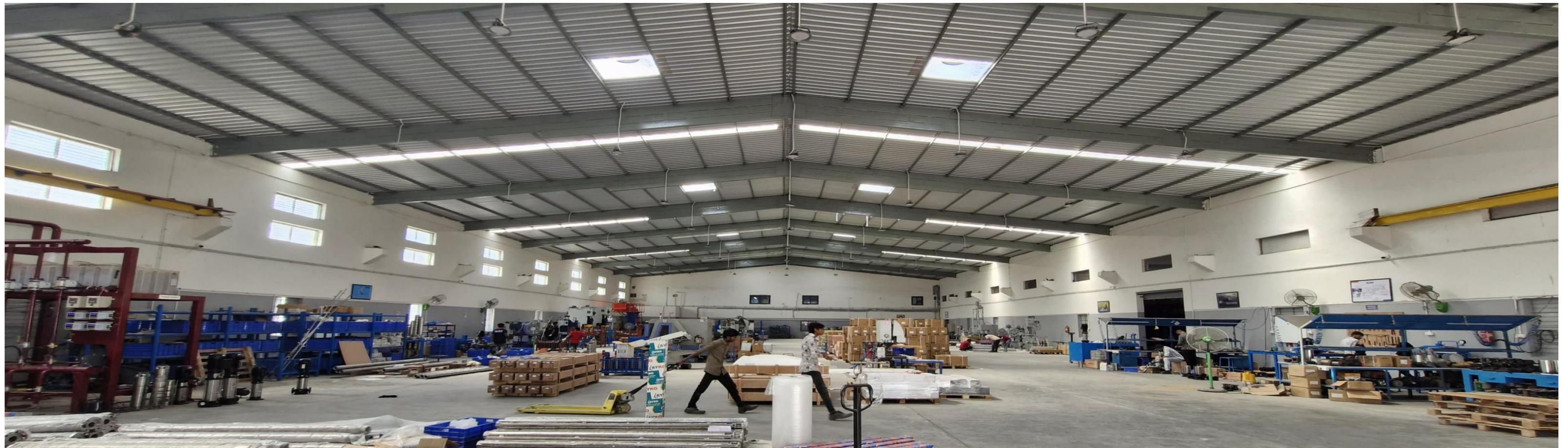
6. Thermal Comfort & Natural Lighting

Temperature Control Without Wall Sheets

- Building designed to reduce internal temperature.
- No external metal sheeting used on walls.
- Promotes natural insulation and comfort.

Intelligent Light Management

- Roofing design allows proper daylight into the hall.
- Reduces dependency on artificial lighting.
- Energy-efficient during day operations.



7. Bird-Proof Roofing

Sealed Structure with Tubular Roof Design

- Tubular structural sections with precision roofing.
- Gaps sealed completely to prevent bird entry.
- Promotes hygiene and eliminates nesting issues.



8. Dust-Free Surroundings

Clean & Functional External Layout

- Full site paving eliminates dust.
- Enhances hygiene and aesthetics.
- Smooth vehicular and pedestrian movement.

Project Highlights



9. Earthquake-Resistant Design

Built to Withstand Natural Calamities

- Earthquake-resistant features embedded in structure.
- Follows seismic zone regulations.
- Enhances occupant safety and structural durability.



10. Future-Ready with Solar Provision

Green Energy Ready

- Provision for solar panel installation on roof.
- Designed to accommodate future renewable upgrades.
- Aligned with sustainability goals.



Conclusion

A Benchmark in Smart, Safe & Sustainable Construction

This project is a testament to traditional construction done right – marrying structural integrity, safety, cost-efficiency, and environmental readiness. A true model for best practices in the industry



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☎ 9825031103 | Chetan Kothari

☎ 9825231172 | Jash Kothari

✉ navkaro@yahoo.co.in

✉ jashkothari26@gmail.com

🌐 www.navkareandc.com







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Thank You

We are ready to assist you

Chetan Kothari: M +91 98250 31103

Jash Kothari: M: +91 98252 31172

5, Riddhi Bunglow, Prahaladnagar Road, Vejalpur,
Satellite, Ahmedabad - 380015. Gujarat.

www.navkareandc.com
