



PRAYOG ENGINEERING SOLUTIONS

...Keep Experimenting...Keep Exploring !!

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Summarized Overview of Company
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"Prayers don't build good infrastructures. They don't develop countries. They don't improve the poor healthcare system or the education system. God has placed man in charge of ALL." – Oyekunle Bamigboye

"We can only create good jobs if we make smarter investments in infrastructure and do more to support small businesses, not stiff them." – Michael Bloomberg

PRAYOG Engineering Solutions – INTRODUCTION

We are a group of experienced expertise united together under "**PRAYOG Engineering Solutions**", helping grow, individuals, institutions and small to medium setups in achieving their goals. Founded in late 2017, we are Mumbai based Registered Team dealing with various Consultancy Services, Design & Engineering Works, Heavy Fabrication Works, Solar Energy Projects, Environmental Projects, Computer-Aided Product Designs & Analysis, Service & Maintenances, Supply of Skilled Manpower etc. Besides, dealing with the above, we are also indulged in explaining the concept & ideas, studying the feasibilities, surveying the customer's requirement at free of cost, to provide them with the best qualitative techno-commercial proposals which will help them to take a step towards their aim.

ABOUT US



Since **2017**, **PRAYOG Engineering Solutions** is in the market, dealing with various types of Consultancy Services, Design & Engineering Works, Solar Energy Projects, Environmental Projects, Designs & Analysis, Services & Maintenances etc. **PRAYOG Engineering Solutions** is earning trust in the market by offering technology solutions, high-quality products and parallel support to the customers in terms of services in the business areas to improve the productivity and improve the profit margin, proving your sustainable solutions to your businesses to sail in the current challenging and dynamic business world.

Along with our trusted Channel Partners, we have a huge network of Entrepreneurs and Professionals, which enables us to deliver the precise solution expected by our prestigious client based on their demands.

PRAYOG Engineering Solutions connects the customers with qualified & expertise personnel. We collect key customer information so that we can quickly prioritize the leads most aligned with their requirements. We help customers; make a quick, confident decision to go with their aspirations. Our information resources offer impartial assistance to customers and help accelerate the implementation cycle.

PRAYOG Engineering Solutions is *a bridge connecting the customer's aspirations with their dreams* and it prides itself in providing clients with the added value of Engineering, Technical expertise and Sustainable solutions to meet client requirements.

PRAYOG Engineering Solutions help clients take appropriate decision in the continuously changing the dynamic world. Our relationships with our existing customers, appreciates us to source top quality services and product at competitive prices from around the world and India.

Our technological alliance allows us to guarantee a comprehensive performance ratio to secure your investment and your cash flow through *our key skills*. As a Solution provider, **PRAYOG Engineering Solutions** is the right partner to handle whatever is necessary for the efficient operation and execution of a project.



PRAYOG Engineering Solutions broadly capitalizes on their technical expertise team and project management. This results in the professional execution of projects in time.

OUR AIM & MISSION

We at **PRAYOG Engineering Solutions** are committed to meet User's requirements maintaining highest quality norms and have acquired a position due to our focus on ultimate customer satisfaction. Users can thus achieve an outstanding quality product with cost competitiveness.

PRAYOG Engineering Solutions is also committed to providing the products and services of highest quality and safety standards reliability so as to become the most upcoming reputed organization in the market for renewable energy products & implementation.

PRAYOG Engineering Solutions aims to provide Efficient, Reliable & Sustainable Solutions and transforming a vision into a reality, fostering innovation, building trust, and catering social responsibility to our customer.

ORGANIZATIONAL DETAILS

- Type of Organization : Proprietorship
- Name of Proprietor : Yogesh J. Tandel
- PAN No. : ADXPT1480B
- GST Reg. No. : 27ADXPT1480B1Z7
- Udyog Aadhar No. : MH33D0169322
- IREPS Id (Indian Railway) : 1055998
- PWD Electrical Id : 103320238222102021

BANKING DETAILS

- Bank Account Name : **PRAYOG Engineering Solutions**
- Bank Name : **The Thane District Central Co.Op Bank Ltd.**
- Type of Account : Current Account
- Account No. : 000300340000762
- IFSC Code : TDCB0000003
- Branch : Kuber Apt., Ambadi Rd., Vasai Rd. (W), Palghar, Maharashtra

- Bank Account Name : **PRAYOG Engineering Solutions**
- Bank Name : **HDFC Bank**
- Type of Account : Current Account
- Account No. : 50200064601743
- IFSC Code : HDFC0000408
- Branch : Mangesh Bhuvan, Guru Nank Nagar, Near Gurudwara, Ambadi Rd., Vasai Rd. (W), 401202, Maharashtra, INDIA



OUR KEY SKILL

“ Our clients tell us that one of the best things about working with us is that we are able to adapt to the business needs and information flow of the companies we work for, meaning we can offer value and services at any point in the engineering process. “

Our diverse and talented team has worked across multiple fields, equipping them with the skills to provide innovative and value-engineered solutions

The expert engineering Team at **PRAYOG** encompasses knowledge from the Civil, Mechanical, Electrical, data, instrumentation and building services to the engineering and specialist manufacturing disciplines. We understand the needs of our customers and believe in always delivering on-time, with exceptional levels of safety, productivity, and cost control.

1. Consultation Services

Our Consulting services focus on our clients' most critical issues and opportunities: strategy, organization, operations, technology, transformation, digital, advanced analytics and sustainability across all sectors and areas. We have proven a multiplier effect from optimizing the sum of the parts, not just the individual pieces.

2. Site Assessment

Site assessment is required to be completed using methods that are compliant with current legislation, guidelines and industry standards. The site assessment process forms the basis of corrective actions that may be required to manage any identified risks.

3. Problem Realization

Problem solving and realizing on opportunities is a necessary skill to be successful in today's day and age, and yet many struggle with the ability to evolve their thinking to be able to meet the needs of their teams/organizations/clients. We help you in realizing the obstacles that may prove hindrances in your growth path.

4. Removal Of Bottleneck

When was the last time your team delivered a product on time? That is without a delay or any overtime effort? Bottlenecks are among the reasons why projects get delayed, budgets burst from the added cost of delays, and the whole process becomes unpredictable. We help you to identify and analyze bottlenecks to establish a predictable flow and put you in control.

5. Data Collection & Analysis

Data analysis involves gathering and studying data to form insights that can be used to make decisions. The information derived can be useful in several different ways, such as for building a business strategy or ensuring the safety and efficiency of an engineering project. Our team will collect and analyze data about your business to help identify the cause of the problem.

6. System design, Installation, Integration

Systems design and integration is one of the two main aspects of systems engineering. Understanding of the physics of the system provides the ability to design and integrate a system, its constituent functions and subsystems with their interactions, and the system's interactions with the environment. A set of systems engineering approaches have been defined to address design at the system level and integration of the various functions and subsystems into a system as a whole. An elegant system achieves a best balance of the system functions and the system environment. These approaches complement and integrate the design work done by the other discipline engineers. We take complete care of this elements till customer is satisfied to the requirements.

7. Providing optimum solutions to problems

After the optimal solution has been determined, **PRAYOG** maps out a formal design and implementation plan. Applications engineering is performed, equipment, systems and controls are designed, and an installation timeframe is mapped out. Also, during this part of the process, bids from contractors and original equipment manufacturers (OEMs) are acquired and reviewed, and pricing and proposal options are formally presented to the customer. At the conclusion of this phase, both a functional specification document and budget are produced and approved.

8. Service and Maintenance, Project Managements & Value-Added Services

To successfully maintain peak efficiency of an organization it is essential to have an effective repair and maintenance service that helps your business operate smoothly and seamlessly. Our highly trained teams have the necessary resources to react quickly and offer compelling solutions that minimize downtime and prioritize high grade output. We also provide 24x7 Care through planned and unplanned maintenance works, enabling clients to extract maximum value.

Project management is more than simply tracking deadlines and setting a budget. We at **PRAYOG** can take control of a project from beginning to end, ensuring that the initiatives and goals are strategically aligned, the project has stakeholder support, and everyone is on the same page.

To deliver beyond expectations, we also offer various Value-added Services (VAS) to all our customers.

OUR SERVICES

1. MECHANICAL, CIVIL & ELECTRICAL WORKS

• Mechanical Services

Whether your project involves a failure analysis of a mechanical component, or new component design, engineering a new dust collection system or resolving problems in an existing one, evaluating the stresses in an existing steam line or designing a new one for long term, trouble free lifecycle, we offer these and more services to solve your challenges.

Our Mechanical Services deals with,



- Material Handling System Design: Pneumatic Conveying, Mechanical Conveying, Weighing, Feeding, and Blending; Bulk Receiving and Loadout (Truck and Rail), Storage, Reclaim, Silos, Bins, Chutes, Spouts, Ductwork etc.
- Utility System Design: Boilers, Steam and Condensate Systems; Compressed Air Systems; Cooling Tower and Chilled Water Systems, Vacuum Systems etc.
- Production, Manufacturing, And Process Facility Layout.
- Industrial Building Ventilation And HVAC Design.
- Mechanical Design And Analysis: Specialty Machine and Mechanism Analysis, Design, and Improvement.
- Quality Control
- CNC & VMC Jobs: Design, Supply, Quality Control etc.

• **Constructions Services**

Our in-depth understanding of the construction industry, combined with labor management expertise, has enabled us to successfully render civil construction services to micro to national clients. We follow stringent norms to offer best quality of services at the most reasonable price.

We deal in all kinds of civil & construction activities like,

- Site Administration, Engineering, Supervision & Labor control etc.
- Residential, Commercial, Industrial Civil Works, Equipment Foundations etc.
- Design, Drawing, Estimations, Quality Control, Billing etc.

• **Electrical Services**

Our electrical services include project management, design, supply, installation, testing plus commissioning and maintenance of electrical systems. Our Electrical Division places a great emphasis on its relationship with clients, private or commercial, and pride ourselves on the ability to respond to your contracting requirements in an efficient and cost effective way.

- Complete Electrical Project Engineering, Estimating And Scheduling For New Installations And/Or Modifications Of Existing Systems.
- Field Survey Of Existing Systems With Recommendations Of Improvement.
- Providing Field Engineers And Technicians For Monitoring New Installations And For Checkout And Start-Up
- Single Line Electrical Diagrams
- Electrical Power Distribution Systems
- Motor Control Center Layouts
- Branch Circuit Layouts & Panel Scheduling
- Fault Current, And Coordination Studies
- Electrical & Induction Motor Repair & Services
- Indoor/Outdoor Lighting, Electrical Floor Plan Layouts
- Fire Protection & Security Systems
- Electrical Gear And Installation Services Procurement Support

- Feasibility Studies
- Cost Estimating
- Electrical & Energy Audits

2. ENGINEERING WORKS & CONSULTANCY SERVICES

Our engineers are always excited by the opportunity to provide consultancy, combining their industry knowledge and experience to deliver complex engineering solutions.

With extensive experience in the industry, we are able to plan, develop and deliver a wide range of engineering and infrastructure solutions, with the capability to take your projects from concept to completion considering your unique requirements.

3. FABRICATION WORKS & ROOFING INSTALLATIONS

• Fabrication Works

Quality is embedded in the service with strictly managed and monitored production processes applied at every stage. Our Fabrication services includes,

- Fabrication and Installation of Heavy and medium Steel Structure.
- Fabrication and Installation of Heavy and Medium Equipment Foundation.
- Fabrication and Installation of Carbon Steel and Stainless Steel – Vessels, Process Tanks, Storage Tanks, Process Equipment's etc.
- Stainless Steel and Carbon Steel Piping Works • Pressure Line • Chemical Lines • Air Ducts
- Insulator System • Super Structure • Stacks • Baghouse • Chimney Stack Structure.
- Machining: Turning, Milling, Shaping, Bending, Rolling and Drilling etc.

• Roofing Installations

PRAYOG is dedicated to providing excellent customer experience while protecting your home with high quality, affordable roofing materials. We work with the best materials and have the experience to take on a roofing job on any type of Residential & Commercial Customers regardless of the complexity of the architecture.

4. CNC & VMC Works

We are also service provider for CNC Machine Job Work, VMC Machine Job Work, VMC Milling Machine Job Work, CNC Turning Job Work, CNC Wire Cut Machine Job Work etc.

Our service includes CNC & VMC Milling Machine Job Work and manufacturing and supplying an unmatched quality range of Gear, Gear Box & their Spare Parts. In our range, we offer Spur Gear, Helical Gear, Bevel Gear, Worm & Worm Wheels, Sprocket Wheel, Rack Pinion, Shaft Mounted Gear Box and Extruder Gear Box. Furthermore, we offer Conveyor Gear Box, SMSR Gear Box, CNC Milling Job Work, VMC Milling Machine Job Work, Pressure Casting Die, Gravity Casting Die, 3 Dimension Engineering Services and 3D Modeling & Parts Programming, among others. The products offered by us are manufactured in strict tandem with the set industry norms using high grade raw material. Hence, our products are known for their durability, dimensional accuracy, high tensile strength and corrosion resistant features. Being a one stop solution, we also undertake CNC & VMC Milling Machine Job Work, which is executed with the help of advanced machines and techniques.

Our professionals also hold expertise in rendering 3D Dimension Modeling Services as per the application requirements of our clients.

5. ENGINEERING SUPPORT DOCUMENTATION FOR EPC UNITS

Includes generating User Requirement specifications, Engineering Design Documents, Functional specifications, Design specifications, as-built drawings etc. For various Small & Medium setups, which struggle to get through technical engineering aspects like documentations, we provide Documentation Service like writing commissioning protocols, Installation Qualification (IQ) protocols, Operational Qualification (OQ) protocols and also provide assistance in writing Performance Qualification (PQ) protocols.

6. FIRE SERVICES & AMC

Through our channel partner, **PRAYOG** is committed to provide high quality and valuable fire protection services to our customers worldwide. We are into existence to discover opportunities for progressive growth and expect the highest levels of integrity in returns, contributing to communities for their betterment.

As an independent expertise as **FIRE & SAFETY** service provider, we are also committed to meet the needs of its customers towards protection from fire hazards & likely potential threats.

We deal in all kinds of Supply, Service & Maintenance of Safety & Fire Equipments like

- Fire Extinguishers
- Fire Hydrant & Sprinkler Systems
- Personal Protective Equipment (PPE)

We also undertake Annual Maintenance Contract (AMC) and provide FIRE & SAFETY TRAININGS for all sectors & individuals.

7. CCTV INSTALLATIONS

Due to our expertise and patron-focused approach, we are divinely betrothed in offering CCTV Installation Services. These provided CCTV installation services are offered by professionals. In addition to this, offered CCTV installation services are rendered at very reasonable rates.

8. SOLAR ENERGY & RAIN WATER HARVESTING

• Solar Energy

Team PRAYOG also prides itself while promoting Solar Energy, dealing with Solar Designs, Integration, Installations, Commissioning, Products & Services etc. Besides, dealing with Energy Products, we are also indulged in explaining the concept & ideas, studying the feasibilities, surveying the customer's requirement at free of cost, to provide them with the best qualitative techno-commercial quote which will help them to take a step initiating Clean Energy.

We connects to the customers with qualified solar designer & expertise. We collect utility bill details and other key customer information so that we can quickly prioritize the leads most aligned with their services. We help customers; make the quick, confident decision to go solar. Our information resources and solar installer offer impartial assistance to customers and help accelerate the solar implementation cycle.

Our Engineers help design solar power for commercial residential clients in Maharashtra and have years of experience in designing installation and executing solar projects. Our relationships in the renewable energy field enable us to source top quality components at competitive prices from around the world and India.

As a system integrator, we provide complete PV services including,

- Consultation;
- Site Assessment and Solar analysis;
- System design, installation, Integration, Service and Maintenance &
- Grid-Connected/On-Grid; Off-Grid Solar & Hybrid Solar Systems

We broadly capitalize on our technical expertise team and project management. This results in the professional execution of projects in time.

- **Rain Water Harvesting**

It's a simple, indigenous technology being practiced in India for centuries. The concept involves collection of rain water, either in natural reservoirs (aquifers) and / or in constructed tanks. RWH helps in achieving self-sufficiency in water, raises ground water level, Improves ground water quality and helps to reduce soil erosion. It is a less expensive and easy to maintain system.

Basic Scheme of RWH

- Water flowing from the terrace area of the structure, surface area of the ground in the rainy season shall be channelized through the pipes and storm water drain and collected in the percolation pits.
- Through the percolation pits the existing and proposed bore wells / ring wells will get recharged and the water can be available for use throughout the year.

We, At HWC LLP Cater following services

- Rainwater harvesting, Bore well management, Ground water exploration survey, Soil resistivity survey and Dowsing allied services under one roof water treatment.
- Better liaisoning with municipal corporations and concerned government agencies.
- Phasewise implementation of rain water harvesting.
- Concept to commissioning in RWH & Water conservation system.
- Affordable annual maintenance contracts (AMC) service of Rain Water Harvesting System.
- Operation & maintenance of water treatment for housing societies and commercial buildings

OUR WORKSHOP DELIEVERS,

Design, Making & Supply of following customized items,

- Designer Safety Door & Window Grills
- Designer Compound Fence
- Designer Balcony Fence
- Designer Entrance / Front Gate
- Customized Fabrication Works
- Modular Kitchen Items
- Kitchen Chimney
- Kitchen Decorative Items

OUR MILESTONES

PREVIOUS EXPERIENCE

1. Mechanical & Electrical Consultants & Engineering for various works at EMU Carshed, Virar, **Western Railway**.
2. Various Small & Heavy Fabrication works for Micro & Medium Industries in Mumbai Sub-region.
3. Engineering Support Documentation Services for EPC & Manufacturing Units.
4. Modification & Revamping of Mechanical & Industrial Production Units.
5. Executed Solar Projects with **90%** Energy Savings on Electric Bills.
6. Various Fire & Safety Audits & Works in Palghar District.
7. Various Solar Projects as per **MNRE** Guidelines.
8. Various Civil Infra Works for Mumbai Slum Improvement Board (**MSIB**).
9. Various Constructions works for **MHADA** & Food Corporation of India (**FCI**).
10. Various Civil Works executed for Thane Municipal Corporation (**TMC**).
11. Various Road Works for **PWD & ZP** in Mumbai Sub- region, Palghar & Thane Districts.
12. Over **2 Lakh Sqft.** Metal Shed for Residential Complexes & Industrial units.

EXPERIENCE WITH WESTERN RAILWAY

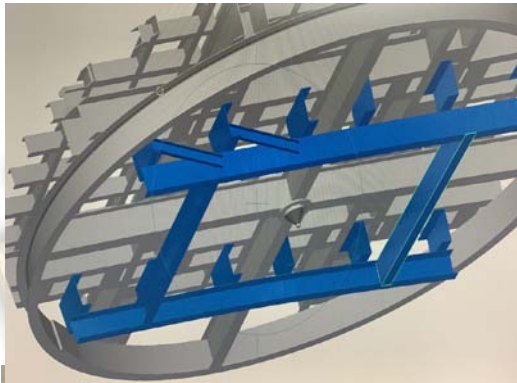
Completed Projects:

1. Fabrication & Construction / Fitting / Supply of Structural Arch Gate, Metal Nameplate Stand, Metal Shoe Rack, L-Shape Metal Brackets & Portable Inauguration / Display Metal Stand at EMU Carshed, Virar.
LOA No. : **EL/RS/QTS/07/VR(2021-22)**
2. Repairing, Load Testing and Re-commissioning of 6 Nos. Bogie Turn-Table at EMU Carshed, Virar.
LOA No. : **EL/RS/QTS/14/VR(2021-22)**

On-Going Projects:

3. AMC of Automatic Train Washing Plant at EMU Car Shed, Virar for the period of 03 years.
LOA No. : **DRM/RS/2021-22/1(VR) dtd 24.11.2021**
4. Repairing, Reconditioning, Painting and Testing of Single Phase and Three Phase of Induction Motors at EMU Carshed, Virar.
LOA No. : **EL/RS/QTS/11/VR(2021-22) dated 13.07.2022**
5. Supply, Installation, Commissioning & Testing of Single Phase Cassette Type Air Conditioner of 2Ton Capacity with power supply arrangement 4.5 kVA, 3-Phase, 415V/220V, Delta / Delta Transformer in the Driving Cab of EMU Rake No. 5285-86 at EMU Carshed, Virar.







OUR VALUABLE CHANNEL PARTNERS

AA&G
Daksh Fire & Safety
Rudra Entrepreneurs
Savla Green Energy & Allied Services
Channel Partners Various

UGAM Enterprises
Crystal Elevators
Sandhya Constructions
Universal Const. & Engg.

R&D Production
GenX Solutions
Bamiyaon Construction
CAD House Institute

OUR ESTEEMED CLIENT

Western Railway (Indian Railway)
Anvin Engineering India
Arnala Ice Factory
Co-operative Societies

TubeFit Engineers
ASPA Infrastructure
PWD & Zilla Parishad
VVMCM

Platinum Hospital
Prime Engineers
National Pneumatic System
Lechler (India) Ltd.

Team PRAYOG

- Y. Tandel (Managing Director, BE Mechanical)
- Manoj Gaikwad (Operations, BE Civil)
- Vijay Pratap Singh (Marketing & Quality, BTech Mechanical)
- Santosh Gupta (PRO & Coordinator)

Our Key Supports

- Uthaman Narayanan (Engineering Works & Fabrication Dept.)
- Amol Marde (Fire Engineer)
- Amit Sankhe (Civil Engineering Works, BE Civil)
- Rahul Kharat (Civil Engineering Works, BE Civil)
- Prajwal Junghare (Electrical Supervisor)
- Ajay Kumar Yadav (Electrician / Technician)
- Rohit Nishad (Electrician / Technician)
- M Majlish (Welder/Fabricator)
- Pandharinath Palkar (Welder/Fabricator)
- Sachin Datir (CAD/CAM)
- Akhilesh Maurya (Aluminum Works)
- Gaurav Khairnar (Media Partner)
- Dakshat Marde (Co-Promoter)
- Rohit Kolge (Co-Promoter)
- And Valuable Channel Workforce



CORRESPONDENCE & CONTACTS

Registered Office

- 404/C, Daffodil Building, Mirchandani Gardens, Suncity, 100 feet Road, Vasai Road (West), Pin 401202, Dist. Palghar, Maharashtra, India.

Corporate Office

- Gala No. 5, Vinay Palace CHS, Virat Nagar, Near Virar EMU Carshed Entrance gate, Virar (West), Pin 401303, Tal. Vasai, Dist. Palghar, Maharashtra, India.

Workshop Unit

- Gala No. 4 & 6, Vinay Palace CHS, Virat Nagar, Near Virar EMU Carshed Entrance gate, Virar (West), Pin 401303, Tal. Vasai, Dist. Palghar, Maharashtra, India.

Contacts

- Vasai : +919960609335 / +918237083373 / +918857069355
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Thank you!

Team **PRAYOG**

...Keep Experimenting...Keep Exploring!!