



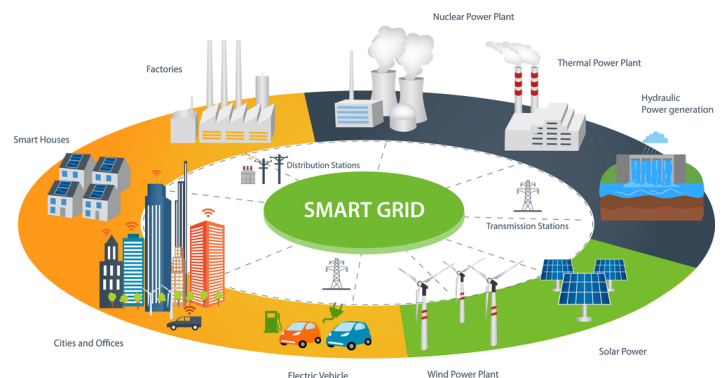
RAYGAS ENGINEERING INDIA PRIVATE LIMITED

ENGINEERING FOR BETTER TOMORROW & GREEN ENVIRONMENT



ABOUT US

RAYGAS Engineering India (P) Ltd. Offers Engineering Design and EPC Solutions Across Spectrum of Industries Mainly The Power Plant, Water and Waste Water Treatment Plant, Solar PV Plant, Mining, Bulk Material Handling Machinery, Mineral Processing Plant & Process Industries (Piping), Water Pollution Control, Air Pollution Control, Green Hydrogen Solutions Across The Core Sectors of Economy. RAYGAS Endeavour to Provide Best in Engineering Solutions to its Clients. Our Team of Experienced and Expert Professionals Understand The Intricacies in Design and Deliver Quality Outputs Within The Stipulated Time Frame. RAYGAS Fosters on Building Long Term Relationship With Clients Through Our Commitment to Quality and ON-Time Delivery. Our Strengths and Skills in Core Engineering Design Construction and Project Management Allow us to Deliver Best in Class Solutions That Exceeds customers Expectation. RAYGAS Strategy is to Align With Client Expectation on Project Success and Drive Success. Our Team is Well Equipped to Deliver Customised Solution on a Project-By-Project Basis. RAYGAS Embraces Culture to Team and Offer Comprehensive, Optimized and Quality Focused Engineering Design and EPC Services.



SERVICE & SOLUTION

Mechanical/Piping Engineering

- Engineering of Wet & Dry FGD, ESP, Bag Filter
- Engineering of Material Handling System
- Process Plant/Equipment Layouts
- Pipe and Pumping System Analysis
- Detail Mechanical and Piping Design
- Computational Fluid Dynamics (CFD)
- 3D Modeling/Rendering/Virtual Walk-throughs

Electrical Engineering

- Engineering of Wet & Dry FGD, ESP, Bag Filter
- Load List, SLD
- Cable & cable Tray Layouts
- Cable sizing, Transformer Sizing
- Electrical Buildings Design
- Low and Medium Voltage Power Distribution
- ETAP Study

Instrumentation And Controls Engineering

- HMI Design
- Loop Diagrams
- Instrument Specifications
- Control System Architecture

Solar PV Plant

- Roof top/Ground Mounted Solar System
- Complete solar solution
- Hybrid Solution

Civil/Structural Engineering

- Design & Estimation of Civil & Steel Structures
- Static & Dynamic analysis of Steel Structure
- Constructability Reviews
- Equipment and Building Foundations
- Existing Structure Analysis and Review
- Structural Steel Detailing and Shop Drawings Complete
- Design of Infrastructure work

Complete Water Management Solution

- Concept Design Erection commissioning and support
- Portable water solution
- Desalination System
- Waste Water Treatment
- Water supply and distribution management

Environmental Management & Credit Services

- Environmental, Social, and Governance(ESG) study and reporting
- Business Responsibility and Sustainability Report (BRSR)
- Greenhouse gases Accounting (GHG)
- Carbon Credit Certification service
- Net Zero / LCA / Carbon Neutrality

Project Management

- Project Scheduling
- Project Management
- Project Cost Estimation

Procurement And Contract Services

- Expediting
- Tender Evaluation
- Project Tendering Documentation
- Construction Contract Preparation
- Equipment Specification and Procurement

Our Vision

Our company vision revolves around being regarded by all of our stakeholders as being honorable and conscientious.

Our Mission

Our mission is to build our reputation for integrity, excellence, and leadership as one of the finest Engineering & Project Management Organization by:

Continuously improving the standards and quality of our services Constantly striving to exceed each client's expectations Maintaining our dedication to the highest moral principles and Providing a challenging and secure environment for our people.



OUR FOCUS AREAS

Flue Gas Desulfurization Works

One of the major expertise Raygas possess in Pre-Bid ,Poast bid engineering and preparation of document of Flue Gas Desulfurization plat of various industries.

We have successfully completed the Pre-Bid Engineering activity along with the preparation of BOQ and Pricing of the equipment with negotiation with various vendors for the following projects as below:-

- 2 X 660 MW Chhabra Thermal Power Station, Rajasthan, India. (RRVUNL)
- 1 x 500 MW, (PH-III) Sanjay Gandhi Thermal Power Station, Birsinghpur. (MPPGCL)
- 2 x 250 MW Satpura Thermal Power Station. (MPPGCL)

Executing a super critical power plant project of complete Post-Bid Design & Engineering activity of FGD project having capacity of 2x660 MW Chhabra TPP located in the state of Rajasthan for our esteemed EPC client along with other projects.

- Our Engineering is focused to achieve best optimized solutions leading to huge financial gain to our clients.
- Strong relations with equipment vendors to get best price offer and long term service solution.
- Associated and worked with major technology provider of Flue Gas Desulfurization leads to better and faster engineering approvals.

Carbon Capture Usage and Storage(CCUS) Initiative.

Raygas has recently entered into a momentous Memorandum of Understanding (MOU) with the prestigious Indian Institute of Technology, Roorkee (IIT-Roorkee), to collaboratively work on a cutting-edge Carbon Capture technology pilot project. This collaboration reflects our joint commitment to driving innovative solutions in the field of clean energy and sustainable development.

- Presentation of Carbon Capture technology made to various national bodies and industries.
- We are also engage in Carbon Footprint and Sustainability Study for various industries.

Water Management Solutions

Raygas is providing complete water management solutions for industry and municipal bodies and engaged in the design, Engineering, Erection , commissioning and service .

We at Raygas practising the philosophy of Concept-Design-Engineering-Commissioning and support. Our focus is to provide cost effective and Eco- friendly design and engineering solutions.

- Decentralized Sewage treatment with no mechanical or electrical moving machineries, very low maintenance cost and therefore can be implemented such as commercial and utility space, water bodies- lake and Nallah.
- Water treatment solutions for industries to meet the quality for Ultrapure Water with RO and EDI.
- Wastewater treatment to meet the discharge norms of CPCB/SPCB.
- Zero Liquide discharge scheme.

Solar PV Plant

Turn Key EPC solutions for Ground Mounted and Rooftop solar PV plant with focus on green energy power and save huge on electricity bills through optimization and providing most effective engineering solutions for Grid-connected systems with net meteringHybrid with D.G. & Grid-synchronized systems, Off-grid with battery backup. Green energy power and save huge on electricity bills

- Strong and reliable relation with suppliers of Module, Invertors, and Accessories for ensuring long term Operation and maintenance support.
- Strong execution team to execute erection and commissioning at site.



Our Team at Raygas

We have adopted mantra of “Green & Sustainable Environment” as a key driving principle and we believe that our country is well positioned to setup and benefit from carbon capture initiatives/ integration to Decarbonize the existing facilities and also to expedite Energy Transition / Energy Efficiency towards affordable and clean energy.

Our Team an Experienced Professionals having around 10-35 year of years of experience in respective areas and understand core infrastructure sector and offer complete solutions including engineering, design services & solution across the Power plant, Cement plant, Steel plant, Bulk material handling machinery, Solar PV Plant, Air Pollution Control, Water Treatment Plants.

Our success is attributed to our highly skilled leaders and effective supporting team who are dedicated in ensuring customers satisfaction and delivering quality work well within schedule.

Our product and services are based on our 4-principles (TQSS), Trust, Quality, Service and Complete customer satisfaction.

Core Strength of Raygas Team

- Highly experienced and skilled professional.
- Reliable solutions based on decades of practical experience.
- Ideal one point Control centre for complete project.
- Highly qualified team at client's disposal.
- Cost optimisation.
- Confidentiality & secrecy of Client's data.
- Innovative engineering solutions with value-added expertise.
- Flexible, Client-conscious approach. Quality-certified systems and standards.
- Commitment to cost and time schedules



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