



Elecation
Consultancy Pvt Ltd

Your Trusted Partner

For Comprehensive Electrical
Solutions & Consultancy



Previously Known as
AB and Associates



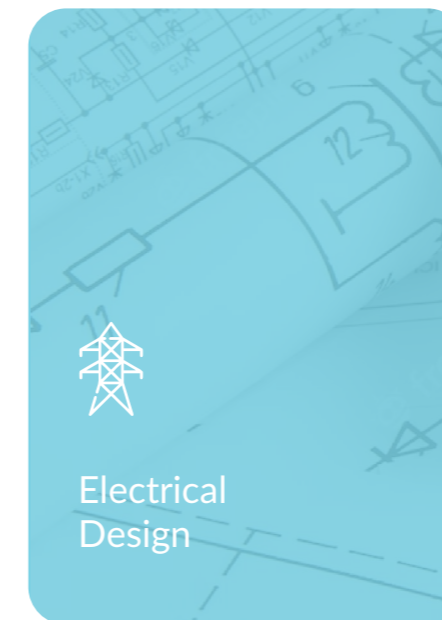
Lighting The Way to Your Bright Future

Introducing Elecation, where we empower you with the right electrical design consultation and keep you informed with the right electrical knowledge.

Previously known as AB and Associates, we have had long-standing expertise in electrical solutions since 2016. Our evolution stems from unwavering dedication.

Understanding client needs, and embracing innovation, we provide viable and high-value solutions. Our services extend to power coordination, securing sanctions, and approvals with regulatory bodies.

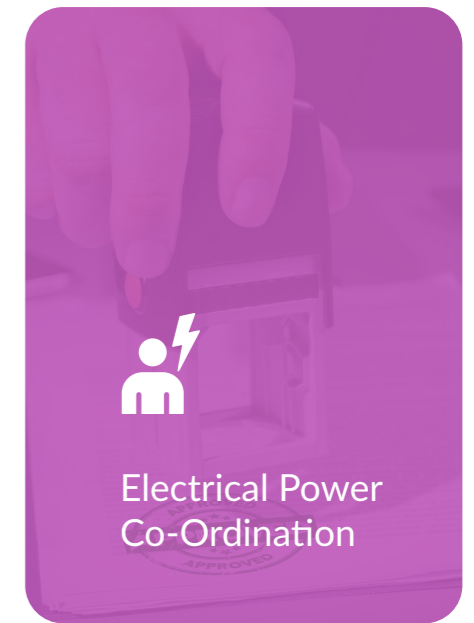
Our Services



- Data Collection & Analysis
- Perform load calculations.
- Design transformers, substations, generators, and UPS systems.
- HT and LT Designs for Efficient Power Distribution
- Home Automation Solutions
- Fire Alarm Systems Implementation.
- Implementation of Power Factor Correction Techniques.
- Internal and External Electrical Design Services.



- Comprehensive Performance Assessments and Improvement Recommendations
- Consultation on Cost Optimization, Compliance, and Safety Measures..
- Assistance in Adopting future-ready solutions.
- Consultation to meet compliance issued by MSECDL and other Statutory Bodies.
- Facilitation and Compliance for RE sanctions for rooftop systems, open access systems, and captive generation methods.



- Document Preparation, and Submission to Government and Semi-Government Authorities.
- Ensure compliance with statutory requirements related to electrical distribution systems and obtaining desired power supply.
- Nested lists have no bottom margin.
- Sectioning, Approvals, and Liaising of the electrical power process.



Electrical Design Service

Crafting electrical designs for enhanced functionality, energy efficiency, and safety.

At Elecation, we offer comprehensive Electrical Design services tailored to meet the specific requirements of each project. From conceptualization to implementation, we cover all aspects of electrical system design, including HT and LT distribution, power and lighting convenience, fire alarm systems, home automation, and more.

- **Data Accumulation :**
Collect data for electrical and allied systems from relevant sources.
- **Transformer and Substation Design:**
We design transformers and substations that are best suited for the project.
- **HT Design and Power Distribution:**
We ensure proper power distribution through HT design from the tap of the point to the LT feeder.
- **LT Design and Distribution:**
We handle the design and distribution of LT systems until the final load point.
- **Power Factor Correction:**
We assess the power factor correction requirements based on the available electricity board supply quality.
- **UPS System Calculation:**
We calculate and suggest UPS system configurations based on critical and sensitive loads.
- **Cable Trays and Trenches:**
We determine the optimal path for cable trays and trenches.
- **Lightning Arrester System:**
We design lightning arrester systems suitable for the proposed development area.
- **Landscape Lighting:**
We create landscape lighting systems with proper power distribution and ON/OFF timer requirements, including lighting designs for water bodies and swimming pools.
- **Load Calculations**
Our team performs electrical load calculations based on construction area and authority norms.
- **Diesel Generator Calculations:**
We calculate the appropriate capacity of diesel generators based on client requirements and planned strategies.
- **Home Automation:**
We design home automation schemes in coordination with clients and architects, meeting their specific requirements.
- **Fire Alarm System Design:**
Our team designs fire alarm systems based on space usage and requirements, adhering to fire department norms.
- **Internal Electrical Design:**
Our experts provide detailed designs for internal electrical systems.
- **Life Safety and Earth Protection:**
We design systems for life safety and determine earth protection requirements.
- **Material Technical Specifications:**
We provide detailed technical specifications for materials used in electrical installations.
- **LV System Design:**
Our team designs LV systems, including public address systems, access control systems, CCTV, data & voice, security systems, telephones, and intercoms.



Electrical Power Consultancy

Guiding You Towards Optimal Power Distribution and Performance.

Our experienced team conducts detailed assessments and power system analyses, including load flow studies, short circuit analysis, harmonic analysis, and voltage stability analysis. By identifying potential issues and offering practical recommendations, we help you make informed decisions to enhance your power distribution network. From load balancing and power factor correction to equipment selection and power quality analysis, our consultancy services ensure the optimal functioning of your electrical systems. With our expertise, you can optimize energy usage, minimize downtime, and maximize the longevity of your electrical infrastructure.

We help you optimize the performance, efficiency and reliability of your electrical infrastructure

- **Understanding Power Requirement :**
Analysis of purpose and amount of power needed.
 - **Consumption Pattern Analysis**
Examine usage trends across time zones.
 - **Understanding Power Requirement :**
Analysis of purpose and amount of power needed.
 - **Distribution Scheme Selection**
Choose a suitable distribution scheme.
 - **Optimal Tariff Plans**
Select ideal tariff plans considering usage and future needs
 - **Sanction Load & Contracts Support**
Determine sanctioned load and contract demands
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Electrical Liaising & Approvals



Electrical Power Co-ordination

Effortless Liaisoning.
Seamless Coordination.
Hassle-Free Approvals.

Our knowledgeable team has a deep understanding of statutory requirements and works closely with regulatory authorities to handle all necessary liaisoning and coordination tasks. We assist in obtaining electrical power sanctions, approvals from electricity boards, government bodies, and other relevant authorities.

- ✓ **Document Preparation**
Assist in preparing required documents for authorities.
- ✓ **Approval Process**
Manage document submission for approvals.
- ✓ **Network Survey**
Conduct comprehensive electrical network surveys.
- ✓ **Cost Estimation**
Collaborate on cost-effective estimations.
- ✓ **High-Rise Permissions**
Obtain sanctions and permissions for high-rises.
- ✓ **DG Set Approvals**
Manage DG set approvals from authorities and renewals.
- ✓ **Diesel Storage Tanks Approval**
Liaisoning and securing approvals for diesel storage tanks.





From Concept to Completion,
We Illuminate Your Vision.



Some of Our Projects



jkd
K.D. JOSHI
RUBBER INDUSTRIES PVT. LTD.



Our Core Values

Our Vision

We aim to be a top provider of electrical designs and consultation. By working together with associates, architects, and regulators, we want to build strong and dependable electrical systems for better spaces.

Our Mission

To deliver exceptional electrical design solutions, leveraging our technical expertise and embracing modern innovations, while maintaining the highest standards of professionalism and client satisfaction to develop a robust electrical infrastructure.



1

Excellence

We strive for excellence in all aspects of our work, consistently delivering high-quality and innovative solutions to our clients.

Integrity

We conduct business with honesty, transparency, and ethical practices, fostering trust and strong relationships with our clients and associates.

2



3

Collaboration

We believe in the power of collaboration and teamwork, working closely with our clients, associates, and stakeholders to achieve shared success.

Sustainability

We are committed to promoting sustainable practices and environmentally friendly solutions, contributing to a greener and more sustainable future.

4



5

Transparency

Transparency is at the heart of our work. We believe in open communication, honesty and accountability.



Industries We Work in

Residential | Commercial | IT
Hospitality and more



Our Experts



Mr. Abhijit Bidarkar

Principle Consultant

With a Bachelor's degree in Electrical Engineering and an MBA from SIBM, Pune, I bring 20 years of experience in electrical design across diverse sectors. My expertise spans residential, commercial, manufacturing, data centers, IT buildings and infrastructure and international projects in countries like the UK and UAE. In my leadership, I always ensure that, we deliver exceptional electrical design solutions that meet and exceed client expectations.

Dr. Digambar Bidarkar

Principle Consultant

With a Bachelor's degree in Science and the youngest 'Doctorate (PhD)' achiever early 70's, I bring 40 years of experience in education and counseling field, retired from a Government job serving to Govt. of Maharashtra with a long service tenure. My expertise spans in educating new generation in science and pharmaceutical industries In my leadership, I always ensure to educate people with the exact requirements for their needs and desires.





Why Choose us ?

Decade-Long
Field
Expertise

Compliance
with
Regulations

Client-Centric
Approach



Our Work Approach

- **Understanding Your Requirements:**
Analysing the specific services needed by the client.
 - **Data Compilation:**
Gathering necessary information from clients, principal architects, consultants, and on-site inspections.
 - **Load Optimization:**
Utilizing advanced engineering techniques to calculate & optimize electrical load requirements.
 - **Design Approvals:**
Teaming with principal architects, and consultants to set the design approach & power distribution scheme.
 - **Regulatory Compliance:**
Informing clients about future considerations, including compliance with the latest rules & regulations.
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Bajaj Auto Ltd

We approached AB and Associates in 2016 for the Bajaj Auto HR Building- Akurdi Campus. The team is technically sound and very professional. We highly recommend AB and Associates for any consultancy on electrical projects.



Mr. Pradeep Bijlani
Vice President-Projects

Maharashtra Natural Gas LTD

AB and Associates completed the work of repairing the MSEDCL metering Kiosk situated at MS Kothrud for MNGL, Pune. They provided timely services with safety practices and uncompromising quality.



Omprakash Nayak
Manager (O&M)

Jyoti Panse Associates

We worked with AB and Associates for one of our prestigious projects in Pune in the year 2019. It was great working with Abhijeet and the team. We are happy with the result and the level of expertise they provided. We look forward to working with AB and Associates and highly recommend them.



Ar. Jyoti Panse
Founder & Director

Power-Mech Engineers & Contractors

We worked with AB and Associates for one of our very prestigious IT projects. They maintain transparent communication and have excellent project management skills. We recommend AB and Associates to anyone looking for credible electrical services.



Mrs. Sulbha Nadkarni
Director

Solargica

AB and Associates help us with electrical designing in coordination with statutory approvals of all solar projects. We highly recommend their services for their high credibility, timely completion, and visionary approach.



Mr. Akshay Panchal
Founder & Director



Some Of Our Prestigious Clients

We Have Worked with the Most Prestigious Customers!

		Many more...		

Let's Build
an Efficient Electrical
Infrastructure
Together!



Elecation
Consultancy Pvt Ltd

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