

Electrical Design Manager, Data Center

OPEN POSITIONS 1	EMPLOYMENT TYPE Full-Time, Permanent
EXPERIENCE REQUIRED 12 to 18 years	LOCATION Chennai, office based
DEPARTMENT Technical	REPORTS TO Chief of Design & Delivery Officer

About Technavious

Technavious Solutions Private Limited is a data center consulting, engineering, commissioning and certification firm, with a presence across India, Dubai, the United Kingdom and the United States. It is the only ANSI or TIA-942 Certification Body headquartered in India, and it takes a brick to chip approach that covers the full data center lifecycle, from early feasibility and design through to construction, testing and commissioning, and long-term certification. Over seventy clients across fifteen countries have trusted Technavious with some of their most significant data center builds.

Role Overview

Technavious is hiring an Electrical Design Manager to lead the electrical design team on large Tier III and Tier IV data center campuses for colocation and hyperscale clients, based in Chennai. The person in this role will own electrical design from concept and tender through construction, commissioning and handover, so that every design is reliable, cost effective and easy to build and maintain. The work is office based with regular site exposure and client facing design reviews, and suits someone who combines deep power systems expertise with the ability to lead and develop engineers.

Key Responsibilities

- Lead pre-bid technical discussions and prepare the Basis of Design, power redundancy philosophy, BOQs and tender drawings for multiple bids in parallel.
- Define the electrical topology for each project, covering HV and EHV intake, MV distribution, DG plant configuration, UPS topology (2N, N+N, distributed or block redundant) and LV distribution.
- Oversee load estimation, single line diagrams and equipment sizing for GIS, switchgear, transformers, DG sets, UPS, batteries, busways and PDUs.
- Lead short-circuit, load flow, protection coordination, arc-flash and harmonic studies in ETAP, and review earthing, lightning protection and lighting design.
- Optimise capex, space and energy performance without compromising tier compliance, driving PUE improvements and supporting IGBC or LEED certification.
- Review calculations and drawings across projects and sign off GFC issues to site, coordinating with mechanical, ELV, structural, architectural and IT teams and leading design reviews with the PMC and client.

- Run technical and commercial vendor evaluations, approve submittals and witness FATs against codes, client standards and Uptime Tier requirements.
- Resolve RFIs, support site visits and approvals, and contribute to testing and commissioning, IST and handover documentation.
- Lead, review and mentor electrical engineers and draughtspersons, allocating work across projects and keeping milestones on schedule.
- Ensure all designs comply with IS codes, CEA Regulations, NBC, IEC, IEEE, NFPA, TIA-942 and the Uptime Institute Tier Standard.

Required Qualifications and Experience

- B.E. or B.Tech in Electrical or Electrical and Electronics Engineering.
- Between 12 and 18 years of experience in electrical design, including at least 6 years in data centers or comparable mission critical facilities.
- At least one completed Tier III or Tier IV data center of 20 MW or more IT load, delivered from design through execution.
- Deep knowledge of HV and EHV systems (GIS, 11, 22 and 33 kV), large DG plants including MV gensets, and UPS topologies.
- Sound understanding of concurrent maintainability, fault tolerance and redundancy analysis, with tendering experience including DBR, BOQ preparation and vendor technical evaluation.
- Familiarity with IS codes, CEA Regulations, NBC, IEC, IEEE, NFPA, TIA-942 and the Uptime Institute Tier Standard.
- Proficiency in AutoCAD, ETAP and DIALux, and proven experience leading and developing a design team.

Preferred, Good to Have

- Delivery of 25 MW or larger IT load campuses with 220 or 230 kV GIS incoming supply, or exposure to international projects (for example the Middle East) and hyperscale client standards.
- Revit exposure, and M.Tech or M.E. in Power Systems or Energy Engineering.
- Credentials such as Uptime Institute ATD, CDCS, CDCP or CDCE, IGBC AP or LEED AP, and IEEE or IEI membership.

What We Offer

Technavious offers a role at the center of India's data center build out, with direct exposure to hyperscale, colocation, enterprise and BFSI clients across several geographies. The firm's culture is built around collaborative excellence, an open and innovation first mindset, and a genuine commitment to work life balance and sustainability, including its own net zero ambitions. People who join Technavious work alongside senior engineering and delivery leadership on projects that shape how mission critical infrastructure is planned, built and certified in India and beyond.