

Data Centre Civil Engineer

EMPLOYMENT TYPE Full-Time	LOCATION Mumbai
EXPERIENCE REQUIRED Minimum 5 years in Data Centre Civil Engineering	

Role Overview

We are seeking an experienced and skilled Data Centre Civil Engineer to join our team. The ideal candidate will have a minimum of 5 years of experience in civil engineering for data centres, with a strong knowledge of civil design, structural drawing preparation and on-site execution. This role requires a detail-oriented, technically adept professional capable of managing complex projects and ensuring that all civil engineering aspects meet high standards for quality, safety and compliance.

Key Responsibilities

Civil Design and Planning

- Develop comprehensive civil designs for data centre infrastructure, ensuring alignment with project requirements, structural integrity and safety standards.
- Collaborate with architects, electrical engineers and mechanical engineers to optimise civil designs.
- Conduct feasibility studies, site assessments and layout planning to support effective data centre operations.

Structural Drawings and Documentation

- Prepare detailed structural drawings and blueprints using AutoCAD, Revit or other design software.
- Review and interpret architectural, structural and MEP (Mechanical, Electrical and Plumbing) drawings to ensure cohesive integration.
- Maintain accurate and up-to-date documentation for all design modifications, approvals and as-built drawings.

Site Execution and Project Management

- Supervise and manage on-site civil engineering activities, ensuring alignment with approved designs, schedules and quality standards.
- Coordinate with contractors, vendors and other project stakeholders to monitor progress, troubleshoot issues and maintain timelines.
- Perform regular site inspections to ensure compliance with project specifications, local building codes and safety regulations.

Technical and Compliance Support

- Ensure data centre structural elements comply with regulatory standards, including fire protection, seismic safety and environmental regulations.
- Provide technical expertise on structural load-bearing capacities.

- Conduct risk assessments, including TVRA (Threat and Vulnerability Risk Assessment), to address potential civil and structural hazards.

Material Selection and Quality Control

- Assist in the selection of appropriate construction materials for durability, sustainability and cost-effectiveness.
- Oversee quality control measures for civil and structural components, coordinating with QA teams to perform tests and inspections.
- Manage inventory of construction materials, ensuring timely procurement and delivery.

Reporting and Communication

- Prepare regular progress reports, budget analysis and project updates for stakeholders and management.
- Facilitate communication between internal teams, contractors and external consultants to address design changes, site challenges and compliance issues.

Required Qualifications and Experience

- Education: Bachelor's degree in civil engineering or a related field; a master's degree is a plus.
- Experience: Minimum of 5 years in data centre civil engineering (mandatory).
- Technical skills: Proficiency in AutoCAD, Revit and other civil and structural design software.
- Knowledge: Strong understanding of structural engineering principles, data centre construction and infrastructure requirements.
- Additional requirements: Familiarity with data centre standards (for example TIA-942 and Uptime Institute), knowledge of local building codes, safety regulations and TVRA assessments.