

SKYTECH

STRUCTURAL CONSULTANT

QUALITY MATTERS

CORPORATE CAPABILITY PROFILE & STRUCTURAL ENGINEERING PORTFOLIO

Comprehensive Structural Design, Analysis, Value Engineering & Auditing Solutions

ABOUT SKYTECH CONSULTANT

SkyTech is a premier structural engineering consultancy based in Jaipur, Rajasthan, delivering safe, optimized, and economical engineering solutions across India. With over 13 years of technical leadership and 50+ landmark projects, we specialize in RCC, structural steel, pre-engineered buildings (PEB), structural stability assessments, and building cost reduction.

13+ Years

Engineering Experience

50+ Landmark

Projects Completed

100% Client

Satisfaction Record

15-25%

Steel Cost Reduction

HEADQUARTERS & CONSULTATION CONTACT

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OUR 10 CORE STRUCTURAL ENGINEERING SERVICES

<p>1. RCC Structural Design</p> <p>Design of multi-storey foundations, shear walls, flat slabs & transfer girders per IS 456 & IS 13920.</p>
<p>2. Steel Structure Design</p> <p>Industrial sheds, heavy portal frames, pipe racks, lattice towers & trusses engineered to IS 800:2007.</p>
<p>3. Building Cost Reduction (Approved Drawings)</p> <p>Value re-engineering of existing drawings to trim 15-25% steel tonnage while preserving 100% structural safety.</p>
<p>4. Pre-Engineered Building (PEB) Design</p> <p>High-efficiency industrial warehouses, logistics parks, cold storage and manufacturing plant enclosures.</p>
<p>5. Structural Audit and Assessment</p> <p>Non-Destructive Testing (NDT), rebound hammer, UPV testing, crack propagation mapping and fitness certification.</p>
<p>6. Structural Stability Assessment</p> <p>Third-party peer reviews, load capacity assessments, stability certification for municipal and statutory compliance.</p>
<p>7. Retrofitting & Structural Strengthening</p> <p>Seismic retrofitting, RCC column jacketing, carbon fiber (CFRP) wrapping, and steel beam beam-enhancements.</p>
<p>8. Project Management Consultancy (PMC)</p> <p>Site quality surveillance, bar bending schedule (BBS) validation, contractor oversight & timeline adherence.</p>
<p>9. Quality Control & Assurance</p> <p>Material testing audits, slump cone monitoring, cube compressive strength verification & pour inspections.</p>
<p>10. Soil Investigation & Geotechnical Consultancy</p> <p>Standard Penetration Testing (SPT), safe bearing capacity (SBC) reports, and foundation recommendations.</p>

INDIAN STANDARD (IS) COMPLIANCE BENCHMARKS

IS 456:2000 (Plain and Reinforced Concrete) | IS 800:2007 (General Construction in Steel) | IS 1893:2016 (Earthquake Resistant Design) | IS 13920:2016 (Pre-engineered Buildings)

KEY COMPLETED PROJECTS

Commercial Complex - The Rajmahal Tower

Commercial RCC Framed Structure • Location: Jaipur, Rajasthan

12 Floors, 145,000 sq ft built-up area. Designed with earthquake-resistant shear wall core and post-tensioned beam layout, cutting concrete v

Mega Industrial Warehouse & Logistics Park

Pre-Engineered Building (PEB) • Location: Sitapura Industrial Area, Rajasthan

45-meter clear span portal framing with tapered columns, high-tensile steel roofing and integrated 10T overhead crane beams. Delivered 18 c

The Emerald Heights Residential Towers

High-Rise Residential (G+14) • Location: Mansarovar Extension, Jaipur

Twin residential towers featuring optimized foundation design on variable strata, raft foundation with ground anchors, and full IS 13920 ductile

Samrat Ashoka University Academic Campus

Institutional Complex • Location: Rajasthan

Auditorium with 28m clear architectural concrete arches, faculty towers, and underground archives designed for maximum durability and low t

OUR 4-STEP ENGINEERING WORKFLOW

- **01. Consultation:** Architectural drawing review, site condition study, client budgeting & structural criteria formulation.
- **02. Analysis & Design:** 3D FEA modeling, load combinations (gravity, seismic, wind), rebar optimization & value engineering.
- **03. Drawings & BBS:** Execution-ready GFC drawings, detailed bar bending schedules, and contractor coordination.
- **04. Site Audits:** Periodic pour inspections, reinforcement verification, concrete cube checks, and stability sign-off.

REQUEST A STRUCTURAL CONSULTATION OR DRAWING AUDIT

Speak with our senior structural consultants today for drawing optimization or new projects.

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