Pradeep Singh Shekhawat
Scientist-E / Director

Currently serving in the Civil Engineering Department at the Bureau of Indian Standards (BIS), with over **14 years of professional experience** spanning **standardization, quality control, quality assurance, certification, and laboratory assessment** in the civil engineering and construction sectors.

Brings **seven years of specialized expertise in standardization**, with a key role in the **formulation, revision, and updation of Indian Standards** across diverse civil engineering domains. Work covers **modern building materials** used in roofing, flooring, wall finishes, doors, windows, and sliders (including hardware), as well as **wood and lignocellulosic panel products** such as plywood, particle boards, and fibre boards. Actively involved in driving **modernization initiatives** and promoting the **adoption of performance-based approaches** in Indian Standards, particularly in the areas of **furniture, builder's hardware, and aluminium/uPVC doors, windows, and sliders**.

Possesses **seven years of experience in quality control and quality assurance**, with exposure to **both domestic and international certification systems**. Certification work spans a wide range of **civil engineering and construction products**, including cement, concrete and concrete products, concrete reinforcement, building materials, and other sector-specific products.

BIS-recognized Laboratory Auditor as per IS/ISO 17025:2017 under the **BIS Laboratory Recognition Scheme** for **civil engineering products**, with hands-on experience in auditing **laboratory competence, testing infrastructure, quality management systems, and compliance with applicable Indian Standards**, supporting the integrity and reliability of testing and certification outcomes.

This integrated exposure to **standardization, quality assurance, certification, and laboratory audits** enables evaluation of civil engineering products and systems across their **entire lifecycle**—from **standards formulation and regulatory design** to **laboratory competence assessment, conformity assessment, and field implementation**. It supports **informed, evidence-based decision-making** that balances technological innovation, industry readiness, and consumer safety.

By aligning Indian Standards with **performance-based requirements** and **international benchmarks**, and by strengthening the **quality and reliability of testing and certification systems through laboratory audits**, contributes to enhancing the **credibility, effectiveness, and long-term relevance** of the regulatory framework, while ensuring **consistent quality, safety, and reliability** of construction products in the Indian market.