

Sanjay Pant



Shri Sanjay Pant did his Bachelor in Engineering in Civil Engineering discipline with Honours in 1987 from Malviya National Institute of Technology, Jaipur. He has around 35 years of experience as a Scientific Officer in the Bureau of Indian Standards (BIS). He served in the standards formulation and conformity assessment activities of the BIS in the field of Civil Engineering and Buildings. He has been instrumental in bringing out Indian Standards and Special Publications in various Civil Engineering areas such as timber, bamboo, timber and bamboo engineering, cement, cement concrete, cement matrix products of various types, various flooring/roofing/walling, other building materials, prefabricated construction, structural safety, safety in construction, **disaster mitigation**, constructional practices and management, hill area development engineering, buildings & **accessible facilities** for persons with disabilities, planning and housing including low income housing, **National Building Code of India, water harvesting**; energy conservation; **sustainable development**; smart cities, etc.

Shri Pant has written/presented number of papers/lectures in national/international journals/seminars relating to cement, concrete, various building materials, construction practices, safety, National Building Code of India, fire safety, disaster mitigation, building and plumbing services, **sustainability**, etc as also on standardization, consumer protection, implementation of standards/quality assurance, etc.

He has to his credit development of number of new and revised standards in the field of cement, pozzolana, cement additives, concrete (IS 456), concrete testing, concrete mix design, geopolymers concrete, fly ash, slag, new pozzolanic materials like silica fume, metakaolin, GGBS, ultrafine GGBS, agro-waste, and construction & demolition waste utilization, series of Indian Standards on Construction Project Management.

His special achievement has been the Mammoth National Projects on Revision of the National Building Code of India (NBC) culminating as **NBC 2005** and **NBC 2016** involving 33 chapters and introducing the concepts and guidelines for Integrated Approach through Multi-disciplinary Teams; Single Window Approach for Building Permit; Thrust to the Use of New/Alternative Building Materials; Distinct Provisions for Fire Prevention, Life Safety and Fire Protection; Structural Design using Bamboo; Systems/Engineered Building Approach; **Water Harvesting and Conservation**; Landscaping; Energy Conservation; Sustainable Development, ICT enabled buildings, Structural use of glass, Escalators and Moving Walks; Solid Waste Management, and Asset & Facility Management, etc apart from comprehensive revision of the existing chapters including on fire and life safety, structural safety and sustainability.

Shri Pant has been participating and contributing as leader/member of Indian Delegations, in various international meetings of ISO and CEN-CENELEC. Shri Pant **represented India as Member on the Technical Management Board of ISO**.

Shri Pant has received no. of recognitions, such as

- **Lifetime Achievement Award** from Fire & Security Association of India
- **Special Award for Development of Concrete** from Indian Concrete Institute
- Received an Honour from the Hon'ble Minister for Skill Development (GoI) for contribution towards plumbing skill development in the country
- **Honored by Indian Plumbing Association with Fellowship Award**
- Honored by Practicing Valuers Association of India
- Honored by Institution of Fire Engineers (India) with Fellowship Award
- MNIT Jaipur Distinguished Alumnus Award

As a Scientific Officer of BIS, Shri Pant has worked in different departments including as Head of Civil Engineering division, and is presently serving as **Dy Director General (Standardization-II)**, BIS HQ, New Delhi.