

## VARIOUS TYPES OF STRUCTURAL CONNECTIONS: LIVE EXAMPLES



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After completing his Civil Engineering from **BITS**, Pilani, India in 1983 Er Vinay Gupta has served **Span Consultants Pvt Ltd** and **STUP Consultants Ltd** before joining **Tandon Consultants Pvt Ltd**, India in 1987, where he is serving as CEO. Er Gupta, has been involved in planning, designing and coordination of design, detailing and tender preparation of various bridges, flyovers, vehicular underpasses, long span and tall buildings, steel structures, chimneys and quality control documents. Some of the highlights of his carrier include design & planning of prestressed structures in India and abroad. 102m span Balanced Cantilever construction prestressed bridges with 70m tall piers of the famous Jammu Udhampur Rail Link (JURL) for first time in Indian Railways, Delhi Gurgaon Elevated Expressway, involving largest no of 1800 Pretensioned Prestressed Girders for the BOT project of NHAI, 500M long Prestressed Segmental Canntilever Construction Superstructure incorporating STUs and Dry Jointed Precast Segmental Prestressed Superstructures of 26km long LRT Metro in Malaysia are some of the pioneering structures, designed by him. He is an active member of various **Codes and Standards Committees of BIS and IRC** in India dealing with Earthquake Engineering, Special Structures, Loads & Stresses, Concrete Bridges, Bearings & Expansion Joints etc.

His contributions include preparation of IRC:SP:65-2005 (Design and Construction of Segmental Bridges) and IRC:SP:71-2006 (Design and Construction of Precast Pretensioned Girders for Bridges). He has been honored with **awards for the best papers titled “Seismic Design and Construction of Radisson Hotel, New Delhi” and “Launching Systems for Segmental Bridges”** both by IBC and **“Prestressed Concrete Design Award-2013”** by The Institution of Engineers, India. He has authored about 50 technical papers in civil engineering journals & conferences and has been lecturing as **Guest Faculty in NITHE, CRRI, CIDC, ISDA, DPC**, etc. He is the **Expert Examiner** for review of technical papers published in “The Indian Concrete Journal” and the journals of ING - IABSE. Er Gupta is the Immediate **Past Vice President (North), Indian Concrete Institute**.