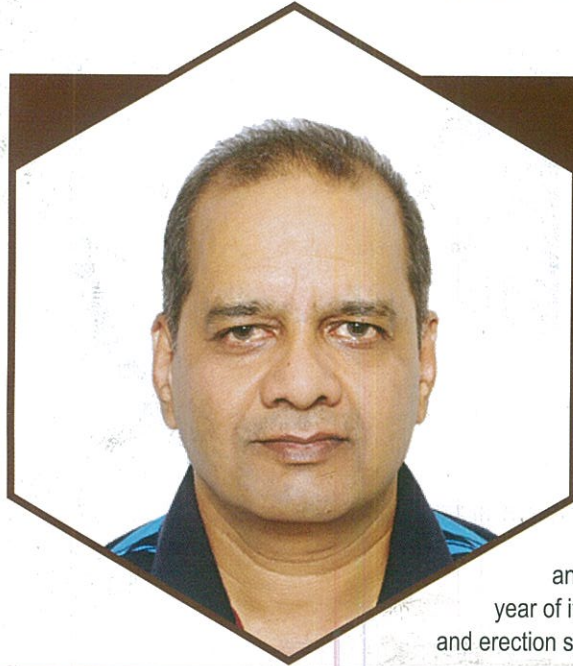


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Steel is a strong material and with high strength to weight ratio provides flexibility of molding in various complex forms including very thin and complex structures. Since steel cannot be made by unskilled manpower and without use of organised production process, the product available for construction is guaranteed to have definite minimum qualities of strength and elasticity leading to an assured durable life. Unlike steel, concrete as final output factor of qualities of basic ingredients, skills and experience of manpower employed, and last but not the least, the curing which is most ignored in our country where water is already a scarce commodity. With the introduction of high tensile steel plates, wires, hollow sections, and stainless steel well, architects have freedom to conceive any form and structural designers can convert these dreams into reality. With enhanced working skills in our country through hundreds of organized and fully automatic production plants, steel structures of excellent workmanship have become possible.

High strength material, good quality fasteners, welding equipments and rods, skilled manpower, mechanized construction and development of Indian standards codes for design and construction are all innovations happening in the field of steel buildings. Major buying factors are technical soundness of supplier, design capabilities, specifications, production facility, project delivery team responsible for erection and cost. Some premium above the conventional construction should be paid to account for the branded product. All the users are looking for quick, light, hassle free and quality solutions which offsite working can only provide. PEBS are surely indicating a bright future, subject to proper professional working. When compared with conventional RCC construction, the structure built using steel is an assured life product, unlike concrete where the life is uncertain and depends on several human factors right from the selection of ingredients till placement and curing. Accordingly, the real cost of RCC structure per year of its service life is much higher than an equivalent steel structure, with a little higher initial investment. Parallel activities of planning, design, production and erection speeds up the construction.