

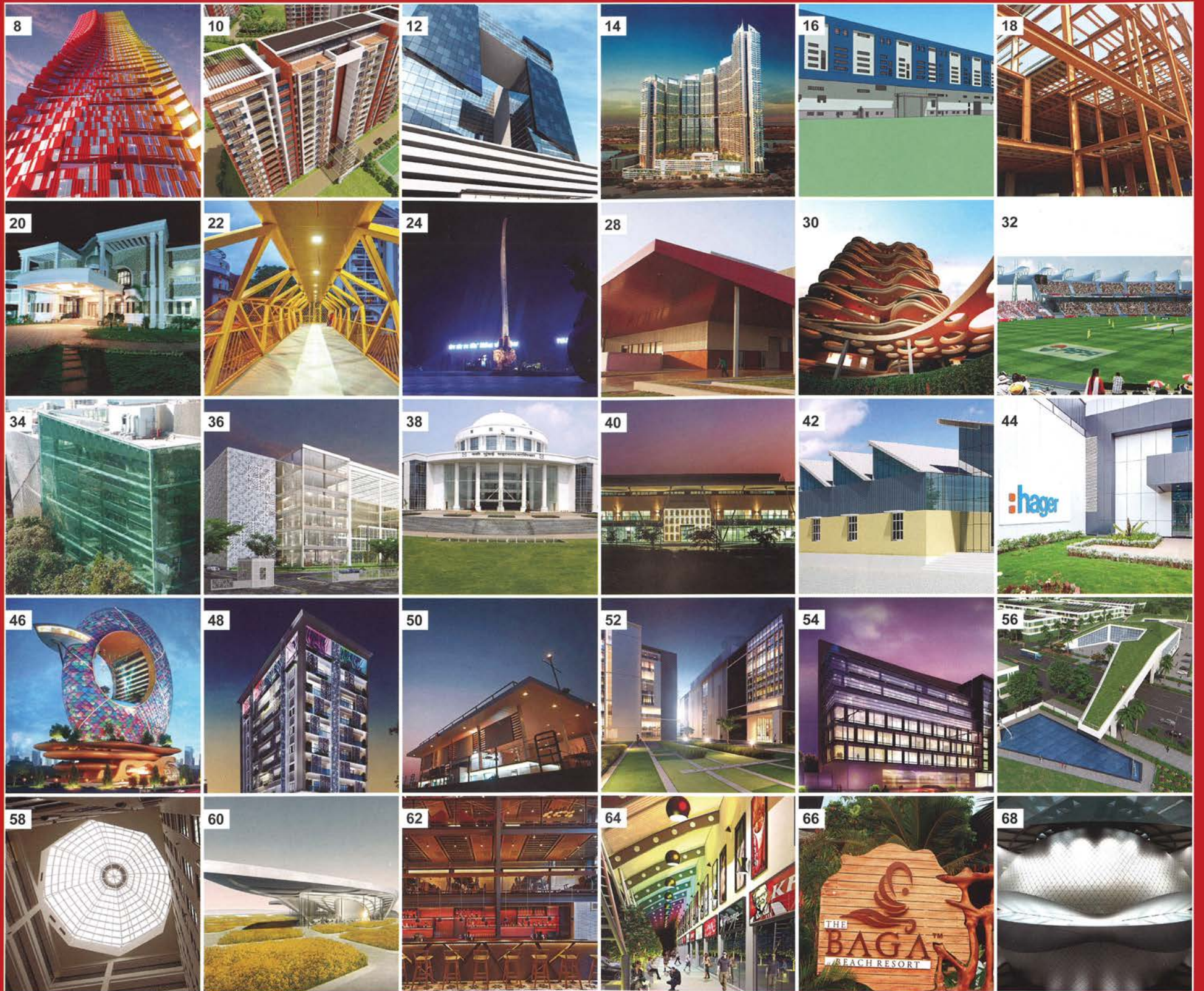


STEEL STRUCTURES & METAL BUILDINGS

nerve of steel construction

STEEL EXPRESSIONS





CONTENT

Function
Sports Stadium

Client
Shiv Nadar Foundation

Architect
INI Design Studio (Formerly Stantec)

Structural Consultant
Parvati Consultants

Tonnage
220 MT

Status
Completed

Image Courtesy
INI Design Studio



PERFECT
BALANCE

DESIGN INTENT

The design of the indoor sports complex was led by the vision of creating a versatile sporting facility comparable to international standards. The design inspiration came from the idea of creating a vibrant, active, flexible, sustainable, stout yet aesthetic structure that reflects the sporting activities it was intended to host. Thus, a rugged form, blended with bold colourful graphical treatment of varied spaces within it was envisioned. The essence of the design lies in the balance it achieves between structure and interior space brought by use of vivacious colours and bold graphics juxtaposed with the pronounced muscular form of the building.

STEEL SIGNIFICANCE

The choice of building material was critical to create a structure that was inspirational, vibrant and also sustainable from environmental, economic and structural aspects. While the building frame is made from concrete, a curvilinear canopy on steel columns and light weight transparent glazing in the front adds flamboyance to the massy built form.

A sport-themed screen made from steel in the front façade stands out giving the building an ultra-modern look. Using full potential of long spans of steel helped create flexible, column-free spaces inside the building. The triple-heighted multipurpose sports arena at the centre of the building uses dense steel trusses on the ceiling that provide large, unobstructed space that can be used for various purposes.

STEEL SECTIONS

Box Sections, Round pipes, I-sections, Angle Sections, Channel Sections, Insert Plates, etc.

INDOOR SPORTS COMPLEX, SHIV NADAR UNIVERSITY, GREATER NOIDA