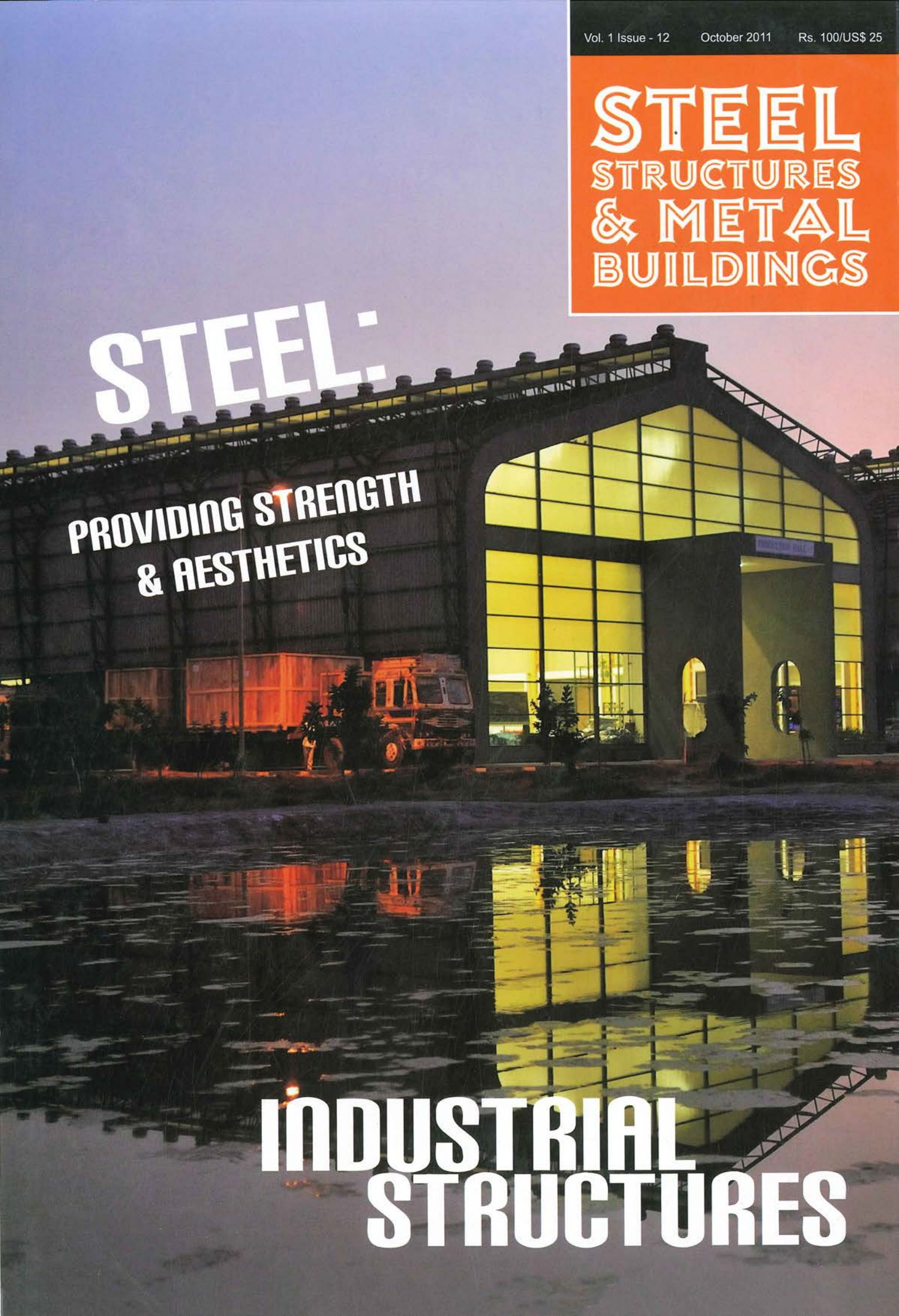


STEEL STRUCTURES & METAL BUILDINGS

STEEL:

PROVIDING STRENGTH
& AESTHETICS

INDUSTRIAL STRUCTURES



c o n t e n t s



7



8



9



12-15



16-17



18-19



20-21



22-23



10-11

Kulvin Suri
CMS (Tubes)
Tata Steel Ltd



24-25



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JSW HEADQUARTERS, MUMBAI

JSW Steel Ltd is a company which has the biggest steel plant in a single location in Vijaynagar. Their ambitious JSW Headquarter Building, located in suburban Mumbai's emerging business hub at Bandra Kurla Complex, is bound to become a world class workplace with impeccable features and amenities that will make it the pride of entrepreneurs and office-goers. It was the vision of Sajjan Jindal, VC & MD, Jindal Steel Ltd, that their corporate office building should be constructed entirely in steel, for the obvious reason that a steel building comes with numerous advantages provided the entire fabrication and erection are approached and executed in a very systematic way.

This new commercial project is developed by Orbit Corporation Ltd, under the able leadership of its Chairman, Ravi Kiran Aggarwal, with Burt Hill Architects being the Main Architect for this magnificent structure. Dr Kelkar Designs Pvt Ltd, the Structural Consultants for the project took care of the entire detailing part by upgrading more than 3000 detail drawings to suit

Indian conditions. Jindal Steel & Power Ltd were the steel supplier for the entire superstructure of 10.3 kg/sq ft with 2,750 tonnes of total steel usage across 2.66 lakh area. Structurati Fabrication Pvt Ltd were the Steel Fabricator for this one-of-its-kind steel building in India.

The columns used in this project are pretty similar to British sections, which are thicker and can carry higher loads without increasing the sizes or depths. In this building, wide range of column sizes are used to make it economical within given span and bear loading. The entire dynamic and static analysis of the structure, designing of steel members and columns are done using 3D modeling. The steel beams, having deck and concrete slabs over it, are designed as composite sections, which makes it more economical.

Watch out for a full-fledged detailed coverage on the JSW Headquarter Building in the upcoming November issue...

