

GREEN

BUILDINGS OF INDIA

The Indian tradition of architecture was based on spiritual and scientific design system; recognizing the five elements of nature - agni (fire), jal (water), vayu (air), prithvi (earth) and akash (sky), which when adhered to, enhances the flow of prana - the universal life-force energy within a building. It helps creating a lively, balanced wholeness which is based on subtle mechanics of creation, the laws of nature. Respect and care for our natural environment is a sacred contract and we are currently witnessing the catastrophic results of ignoring this over the years.

It has taken a very long time for sustainable construction to be recognized as a more desirable way of development. The Green Building movement has been increasingly gaining momentum in India. As awareness spreads, Green Gross Domestic Product (GGDP) and Triple Bottom Line (3BL) are increasingly becoming norms rather than exceptions. Such concepts take into account the environmental and social performance, in addition to the financial, while defining growth.

Designers, Clients, Project teams, Government and Non-Government institutions have to commit to create healthy buildings and habitable places that support communities, enhance biodiversity and contribute to reversing unsustainable trends in resource consumption. This is the core positive agenda of Indian Green Building Council Team (IGBC) and Green Projects.

This IGBC's coffee table book will help all stakeholders to understand the value of environmentally responsible design and construction. It shares the most up-to-date building features and technologies that have been successfully implemented in India. The projects in this book highlight the enormous tangible and intangible benefits associated with Green Buildings and how the IGBC rating systems encourage a sustainable way of developing our communities.



Jayesh Hariyani
Co-Chair, IGBC Ahmedabad Chapter

Front Cover:
CII - Sohrabji Godrej Green Business Centre
Hyderabad, India



STANTEC OFFICE

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Green Certification: Platinum

Location **Ahmedabad, Gujarat**

Built up Area - **13,500 SF**

Interior Architect & Green Building Consultants - **Stantec**

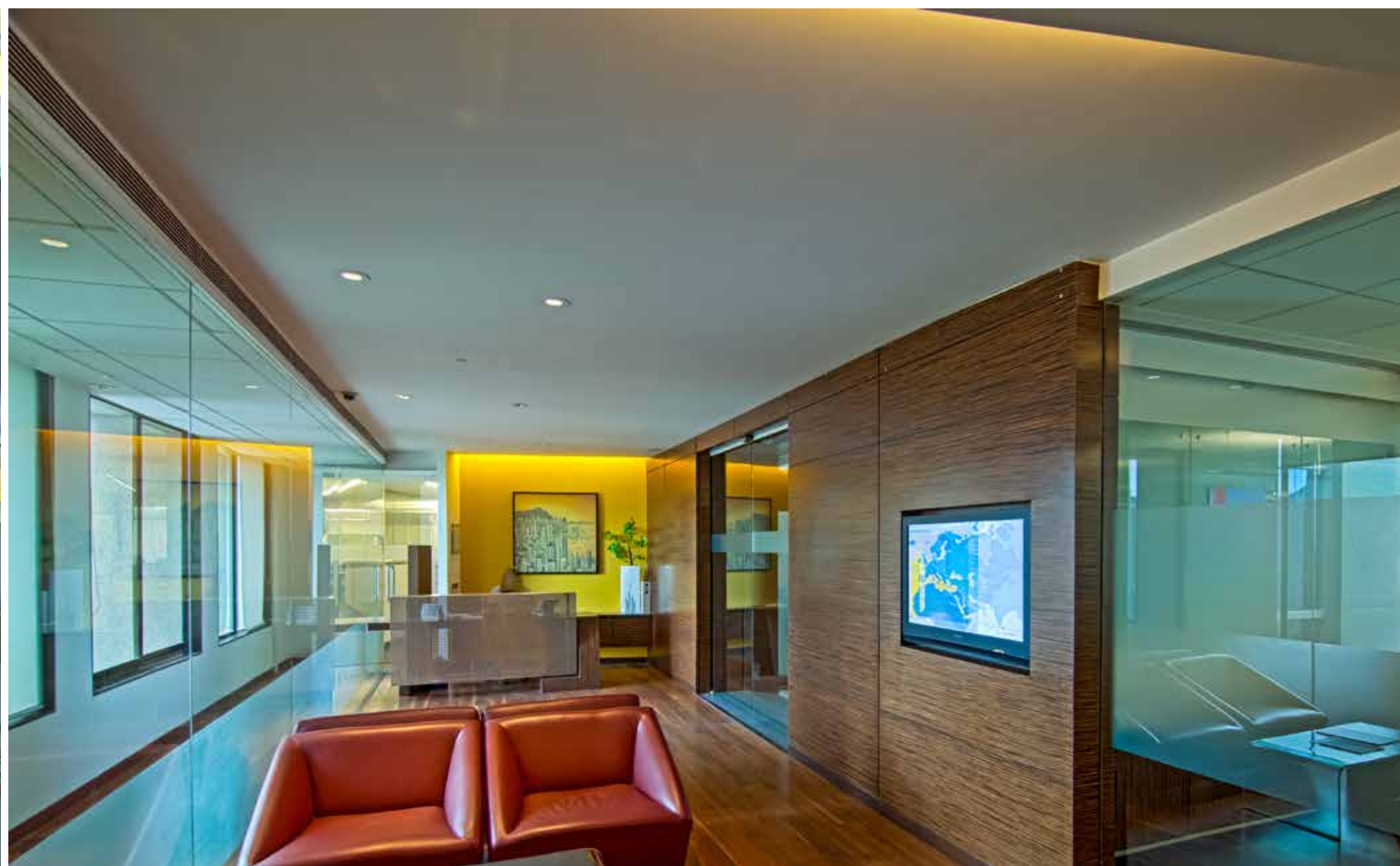
MEP Consultants - **Stantec; Pankaj Dharkar & Associates**



Practicing what we preach.

Mr. Jayesh Hariyani

Senior Principal, Board of Directors, Stantec



JINDAL CENTRE

Green Certification: Gold

Location - **Gurgaon, Haryana**

Promoter - **Jindal Group**

Site Area - **2.28 Acres**; Built up Area - **238,000 SF**

Architect - **Stantec**

Green Building Consultant - **Green Consultants Inc.**

MEP Consultant- **Stantec; Pankaj Dharkar & Associate**

Key Green Features

Site Sustainability: Use of high-reflectance landscape material as well as vegetative roof garden to reduce heat island effects.

Energy Efficiency: Use of high performance glass for curtain wall glazing system & efficient lighting design and daylight sensors are used.

Indoor Environment Quality:

Multi-storey central atrium space is designed as unifying element for all office floors and same time brings in natural to the workspaces right at the centre of the floor plates.

Water Management: 30% less water usage is planned by using efficient fixtures. Collection of storm water into storage tank for air-conditioning, flushing and irrigation use.

Waste Management: Waste water management is achieved by installation of STP system, use of recycled water for air-conditioning, flushing and irrigation.



Our inspiration comes from the national flag - Saffron is about service to society, White is about probity in public life and Green is about sustainable development. We want to keep the banner flying in the performance of our duty and in the service of our people. The Jindal Centre at Gurgaon is a physical symbol of the ideology that we at Jindal Steel and Power are in the business of creating the country of our dreams.

*Naveen Jindal
Chairman*

Jindal Steel & Power Limited

