

Dear Friends,

The second edition of IGBC Coffee Table Book is a reflection of increasing green footprint in Indian architecture, planning and construction sector. As the world is grappling with the challenges posed by impending climate change, there is a pressing need to change our lifestyles and the way we build and operate our built environments so that they are energy-efficient, sustainable while also being cost-efficient.

This publication puts together over 100 certified green projects in form of a coffee table book, with an intention to reach out to a wide audience, not only to showcase the notable advance in India's green initiatives, but also to inspire others to make an effort and contribute their part in the making of sustainable tomorrow for our future generations.

The second edition has received an overwhelming response from across the country with projects ranging from small building units to large campuses and infrastructure projects. From using traditional sustainable methods to latest state-of-the-art green technologies, these projects showcase the wide spectrum of sustainable forms and techniques used in India.

I congratulate the entire team that has worked hard to put together the publication. Right from sending out the call for the projects to responding to inquiries and then compiling the projects in a uniform and meaningful format is a tedious task that the team has delivered efficiently.

Regards

Jayesh Hariyani Co- Chair IGBC - Ahmedabad Chapter Co- Chair IGBC Coffee Table Book





ith a rich heritage of over 5,000 years, Indian architecture and construction have always been nature-centric. With the support of all stakeholders, the Indian Green Building Council (IGBC) is making an effort to go back to the roots and connect them to modern buildings. The journey over the past 16 years has been eventful and gratifying. Above all, being able to contribute to the betterment of the society and country at large has always been the soul and driving force behind IGBC.

IGBC is one of the few Councils in the World to operate out of a 'green building by design' in Hyderabad, India. The IGBC was formed in 2001 and is today amongst the top Councils in the World facilitating sustainable built environment.

The strength of the IGBC Rating systems lie in its' origin - the Pancha Bhutas (five elements of nature) viz. Earth or Prithvi, Water or Jal, Fire or Agni, Air or Vayu, Ether or Akash. In addition to these Indian ethos, IGBC has also incorporated the best practices in the rating systems like the national and international standards, codes and baselines, use of software tools, so as to enable well-informed decisions.

Over the years, IGBC's green rating systems have been adopted for all kinds of new and existing developments in the built environment — from an individual house to a corporate tower, from a school to a factory, from airports to transit systems and from campuses to city infrastructure. IGBC's rating guidelines are conceived by India and for India, to achieve our National goals and objectives.



















Through training programmes, awareness sessions, student chapters, MoUs and other forms of synergistic associations, IGBC has promoted capacity building as a cornerstone of the green building movement.

Today, IGBC has created a pool of more than 25,000 professionals, involving architects, engineers, developers, consultants, designers, occupants and many others who can facilitate the design, construction and operation of green facilities. In this journey, there have been many professional associations like IIA, ISHRAE, CREDAI, IIID, IPA and others. Thanks to each and every stalwart in these associations

The scale to measure the growth of the green movement is the success of the Green Building Congress — the flagship event of IGBC. The first edition of Congress in 2001 comprised of a few sessions with about 200 attendees. Today, the IGBC Congress is Asia's largest event on sustainability. In 2016, more than 3,000 national and international delegates and 150 green product, technology and materia manufacturers are expected to attend the 14th Green Building Congress to be held over 3 days. What Began as one building in 2003 has Become a movement today and this success Belongs to all stakeholders who are proudly associated with IGBC in building a greener India.

IGBC - spearheading the green building movement in India since 2001.

One and half decades of glorious years of the Green Building movement in India











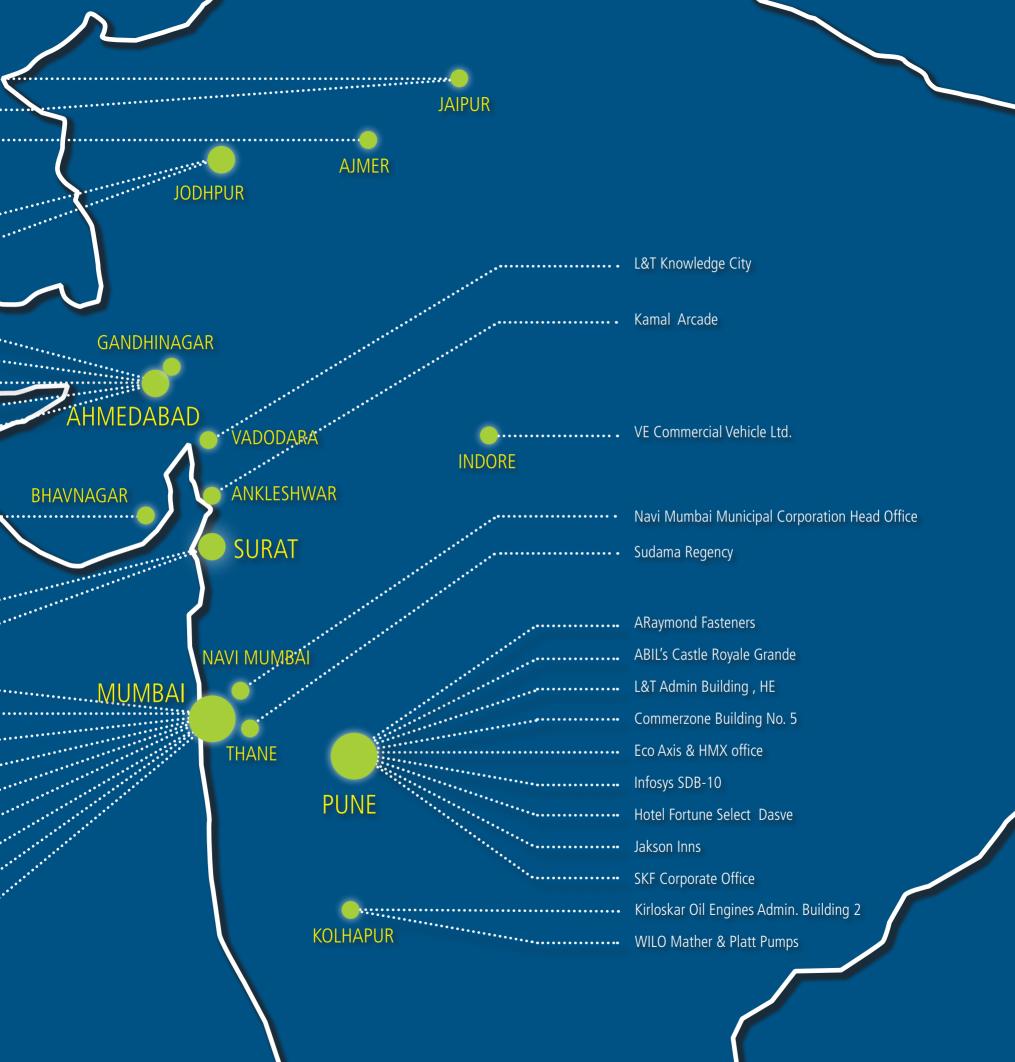








•••••	CCR Building - Shree Jaipur Cement Plant
	Mody School
	Shree Mega Power Admin Building
••••	Shree Cement CCR Building
••••	Cairn Centre for Excellence
	Agarwalla Timbers
•	Apple Global School
	Colgate Palmolive Oral Care Mfg. Facility
	TCS Garima Park
	TeraSpin, Business Unit
	D&I Excelus
	Essteam
	L&T Hazira
	ECT Hazila
***************************************	27 BKC - Kotak Mahindra Bank
•••••	Bank Of India
	Godrej Platinum
	J.W. Marriot Mumbai Sahar
	Jade Gardens
	L&T Sanofi House
	Mahindra Splendour
	Nyloc House
	Sir H.N. Reliance Foundation Hospital



Location: Bhavnagar, Gujarat

Area: 0.3 Acres Site, 44320 SF Built-Up

Promoter: Arya Hariyani Design & Infrastructure Ltd.

Project In-Charge: Mr. Rajit Arya, Director

Architect: INI Design Studio

MEP Consultant: INI Design Studio

GREEN Consultant: INI Design Studio & AMA Architects

The design presents a win-win situation for us.

At one hand, we are able to save operational costs due to various energy efficiency mechanisms in the building design; on the other hand, the exclusivity in design makes it more marketable and aligns with our commitment to sustainability.

- Rajesh Arya Director

Rating System: Green New Construction

Green Certification: Silver







Building Use

- 270 people
- 8-10 hrs



Water Management

• Savings of about 25% for potable water use (Once fully occupied)



Energy Efficiency

- 8.5% savings over baseline for energy use (Once fully occupied)
- Efficient LED lighting design in the common areas.
- High performance VRV based HVAC system



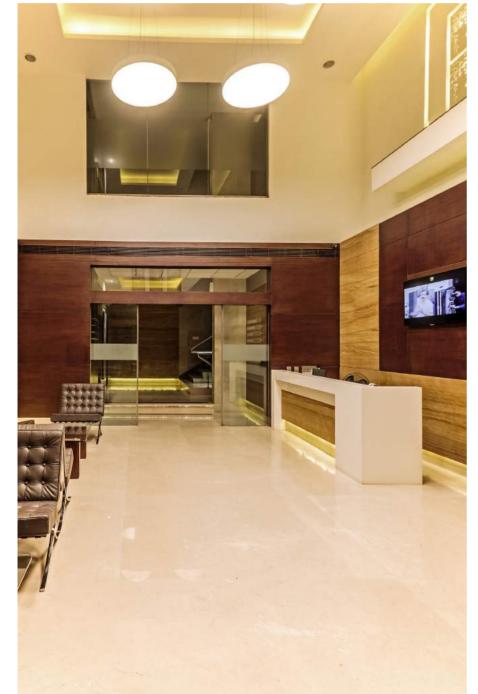
Screening / Glazing Strategies

• The energy efficient building envelope with operable high efficiency glass, vertical glass fins block excessive light while providing extensive outdoor view for most of the offices

Bringing in the green consciousness in tier-2 and tier-3 cities of the country is a challenging task for the architect. This project gave us an opportunity to design sustainable project in the fast growing city of Bhavnagar while still maintaining the aesthetic value and commercial appeal of the structure.

- Jayesh Hariyani Sr. Principal, INI Design Studio

D&I EXCELUS 115







SOUTH ZONE

BENGALURU

Greystone - Pg.37 Hub @ 1, Karle Town - Pg.41 Infosys EC-47 - Pg.45 ITC - Gardenia - Pg.53 ITC Sankhya Data Centre - Pg.57 Wipro IEASD - Pg.85

CHENGELPATTU

Mahindra Technical Academy - Pg.65

CHENNAI

Aikya - *Pg.21*Colgate Palmolive Toothbrush Mfg. Facility - *Pg.29*DANFOSS Administration Building - *Pg.31*DANFOSS Production Building - *Pg.33*ICF Administrative Building - *Pg.43*Infosys SDB-9 - *Pg.51*ITC Grand Chola - *Pg.55*J K Tyre & Industries Ltd. - *Pg.59*L & T Technology Center III - *Pg.63*Mahindra World School - *Pg.67*MWC Club - *Pg.73*RK Mission Residential School - *Pg.77*

COIMBATORE

L & T Office Building - Pg.61 Moksha Griha - Pg.71

HYDERABAD

CII — Sohrabji Godrej Green Business Centre - *Pg.19* Ascendas - *Pg.23* Auxilium Navajeevana - *Pg.25* BPO at Wipro - *Pg.27* D E Shaw Phoenix Edifice - *Pg.35* Mindspace Building No 20 - *Pg.69* Naandi Rurban Commune - *Pg.75* TCS Techno Park - *Pg.83*

KOCHI

TCS IT SEZ - Pg.81

OOTY

Good Shepherd International School - Pg.39

TANJORE

Svatma, Heritage Residence - Pg. 79

THIRUVANANTHAPURAM

Infosys SDB-1&2 - Pg.47 Infosys SDB-3 - Pg.49

WEST ZONE

AHMEDABAD

Apple Global School - *Pg.101*Colgate Palmolive Oral Care Mfg. Facility - *Pg.111*TCS Garima Park - *Pg.153*TeraSpin, Business Unit - *Pg.157*

AJMER

Shree Mega Power Admin Building - Pg. 145

ANKLESHWAR

Kamal Arcade - Pg. 131

BHAVNAGAR

D&I Excelus - Pg.115

GANDHIDHAM

Agarwalla Timbers - Pg.99

INDORE

VE Commercial Vehicle Ltd. - Pg. 159

JAIPUR

CCR Building - Shree Jaipur Cement Plant - Pg. 109 Mody School - Pg. 139

JODHPUR

CCR Building - Shree Cement - *Pg.107* Cairn Centre for Excellence - *Pg.105*

KOLHAPUR

Kirloskar Oil Engines Admin. Building 2 - Pg. 133

MUMBAI

27 BKC - Kotak Mahindra Bank - Pg.92
Bank Of India- Pg.103
Godrej Platinum - Pg.119
J.W. Marriot Mumbai Sahar - Pg.129
Jade Gardens - Pg.125
L&T Sanofi House - Pg.135
Mahindra Splendour - Pg.137
Nyloc House - Pg.143
Sir H.N. Reliance Foundation Hospital - Pg.147
Head office Building NMMC - Pg.141
Sudama Regency - Pg.151

PUNE

A Raymond Fasteners - Pg.93
ABIL's Castel Royale Grande - Pg.95
L&T Admin Building , HE - Pg.97
Commerzone Building No. 5 - Pg.113
A.T.E. Eco Axis & HMX office - Pg.89
Hotel Fortune Select Dasve - Pg.121
Infosys SDB-10 - Pg.123
Jakson Inns - Pg.127
SKF Corporate Office - Pg.149
WILO Mather & Platt Pumps - Pg.163

SURAT

Essteam - Pg.117 L&T Hazira - Pg.155

VADODARA

West Block 3 - L&T Knowledge City - Pg. 161