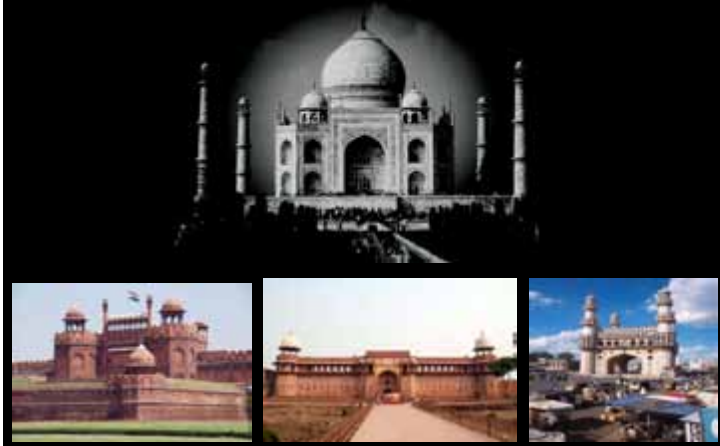


Indian Green Building Journey

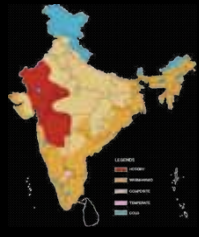


Indian Net Zero



India Infrastructure Story

- Indian Climatic Zones : Hot, Humid & Dry
- Infrastructure Constraints : Water & power scarcity
- Modern buildings out of sync with Climate
- Indian Construction Industry is in nascent stages



Green Building Movement in India



- ❖ Launched by Confederation of India Industry (CII) in 2001

Vision

- ❖ To usher in a green building movement in India
- ❖ To become one of the world leaders in green buildings by 2010

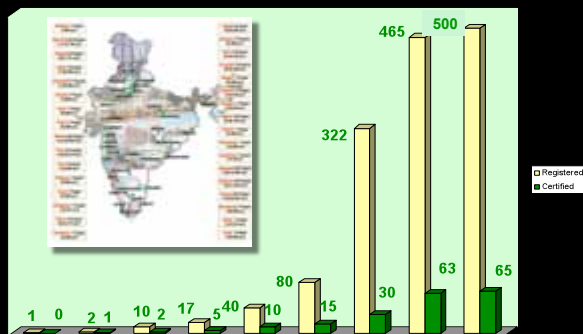
MoU with USGBC



Green Building Movement in India

S No	Criteria	2001	→	Till Date
1	CEOs & senior people involved	50		≈ 6,000
2	No. of professionals trained on IGBC rating	10		≈ 7,000
3	No. of registered Green Buildings	1		500
	Built – in Area (sq.ft)	0		352 Million
4	Green Building products & equipment	5		100
5	IGBC Membership (Founding Members)	0		780 (75)
6	IGBC Local Chapters	0		9
7	IGBC AP	0		96

Growth of Green Buildings in India



All types of buildings, all over the country :

IT Parks, Offices, Banks, Airport, Convention Centre, Institutions, Hotels, Residential, Factories . . .

Rating Program to Suit Different Building Types

- ❖ One single rating cannot be applied to suit all building types
- ❖ Program launched
 - IGBC Green Homes
 - IGBC Green Factory Buildings
 - LEED India NC
 - LEED India CS
- ❖ Other Programmes on the anvil
 - IGBC Green SEZs *
 - IGBC Green Schools*
 - IGBC Existing Buildings *
 - IGBC Green Cities *
 - IGBC Landscape *



* Rating under development

IGBC Accredited Professional Exam

❖ Objective

- Recognize holistic understanding of green building concepts
- Meet the demand for qualified Indian Green building professionals



❖ Launch of Pilot exam

- Participation of 150 people
- 65 professionals already certified

❖ On-line Examination

- Launched during September 2009

Select LEED Platinum Projects

1



First LEED NC Platinum Building in India & 3rd in the world

Second LEED Platinum Building



2

3



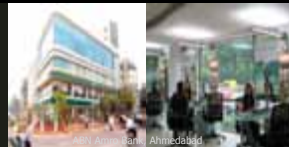
Third LEED Platinum Building

4



Spectral Headquarters in Noida

India's First LEED CI Platinum Building



5

6



First IGBC LEED India Platinum Building

7



Largest LEED India C&S Platinum Building

First LEED India Platinum Hospital



8

9



First LEED India Platinum Hotel

Second LEED CI Platinum Building



10

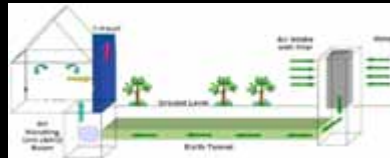
Future Trends

Net Zero Energy Building

- Eco Commercial Building for Multi National Chemical Company
- Off-the grid building, which generates its own power for consumption



- Earth Air Tunnel
- Geo Thermal
- Solar & Wind Energy
- Radiant Cooling



Green Buildings or Green Wash ?

1. Necessity



2. Indian Culture

3. Stringent Bylaws

India @ 75 - The Wish List

Criteria	Today	India @ 75
No. of Green building projects	480	100,000
Green building footprint (Sft.)	337 Million	5 Billion
No. of Green Building Accredited professionals	65	100,000

A Better Tomorrow....

