Seminar on Green Practices
Regenerative Townships of Tomorrow
Puducherry, 10 September 2011
Indian Green Building Council (IGBC)

- **Vision of IGBC**
  - To usher in a green building movement in India
  - India to become one of the world leaders in green buildings by 2015

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Green Building Movement - Growth

All types of buildings, all over the country:
IT Parks, Offices, Residential, Banks, Airport, Convention Centre, Institutions, Hospitals, Hotels, Factories, SEZs, Townships . . .
## Benefits in 185 Certified Green Buildings, India

<table>
<thead>
<tr>
<th>Environmental Benefit Category</th>
<th>Average Benefits /Million Sq.ft</th>
<th>Benefits Per year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Co2 reduction</td>
<td>12,000 Tons</td>
<td>7,44,000 Tons</td>
</tr>
<tr>
<td>Energy savings</td>
<td>15,000 MWh</td>
<td>9,30,000 MWh</td>
</tr>
<tr>
<td>Water savings</td>
<td>45,000 KL</td>
<td>27,90,000 KL</td>
</tr>
<tr>
<td>Construction waste diverted from landfills</td>
<td>450 Tons</td>
<td>27,900 Tons</td>
</tr>
<tr>
<td>Renewable energy, (Installed capacity)</td>
<td>-</td>
<td>2,500 kW</td>
</tr>
</tbody>
</table>
IGBC: Core - Purpose

- Residential Sector (IGBC Green Homes)
- Commercial Sector (LEED India NC & CS)
- Factory Buildings (IGBC Green Factory)
- SEZs (IGBC Green SEZs)
- Townships (IGBC Green Townships)
- Landscapes (Awards)

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Key Elements of a Green Township

- Inclusiveness
- Urban Transportation Management
- Efficient Energy & Water Infrastructure
- Local Biodiversity (Greenery)
- Basic Amenities
- Food Infrastructure
- Waste Management

Quality of Life & Standard of Living
Housing: suiting all types of earning capacities

- Mixed land use development (combination of commercial, Residential, retail, institutional etc.) to facilitate sharing of infrastructure and reduce urban sprawl
Present Cities – Concrete Jungle !!!?
Present need = Cities with Green Spaces
Concept of Green Roof
Various artists rendition of Hanging Gardens of Babylon

16th-century Dutch artist Martin Heemskerck
Present Best Practices

**Green Roofs & Walls**
Vertical Greenery

Musée du Quai Branly in Paris

ITC Royal Gardenia Hotel, Bengaluru
Future Trend
Gardens Inside House / Office
Residence & Office of Dr Amory Lovins
Green practices should be the way of life for Future India

Imminent need to facilitate the Green Cities initiative in India
Thank You
Go Green

Visit www.igbc.in