



I S O L A

INDIAN SOCIETY OF LANDSCAPE ARCHITECTS

*presents*

# SUSTAINABLE LANDSCAPE

CURRENT SCENARIO AND THE WAY FORWARD

31ST AUGUST 2013

SEMINAR

&

8TH ANNUAL GENERAL MEETING, ISOLA

31ST AUGUST 2013 | 9.30AM - 5.00PM

AUDITORIUM, IIT GANDHINAGAR



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INDIAN INSTITUTE OF TECHNOLOGY

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**Presentation based on contributions from  
ISOLA members**

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# Introduction

Sustainable landscape design integrates environmental and ecological aspects into the design, planning, construction, implementation, and management of designed landscapes. There has been an increasing need for sustainable development and integrating ecology and landscape architecture in theory and practice.

Over the past decade, the Green Building movement in India has gained momentum with the launch of different rating systems like IGBC Green Building System, Griha and the recently launched IGBC Green Landscape Systems.

The presentation focuses on the issues & concerns that Landscape Architects face while designing, detailing & executing Landscape works for achieving credits as required by these Green Rating Systems; and suggestions from Landscape Architects with real case examples. The presentation is based on the contributions from ISOLA members.

# Issues & Observations

The major concern areas regarding landscape works are credits related to :

- Pre Construction Activities & Soil conservation
- Site Boundary & Parking Areas
- Reduction in paved areas to minimize heat island effect
- Storm water management

to conserve water by increasing ground water recharge and to reduce storm water runoff into the public drainage system through Infiltration techniques (Infiltration trenches, Bio-filtration swales/ Grass swale, Sand Filter, Recharge wells ) and Detention facilities (Wet Ponds, Storm water Wet Ponds, Wet vaults and storage Tanks)

- Planting design to minimize irrigation water requirements in landscape

It has been observed that while achieving credits on paper, the real goals are compromised quite frequently.

We will illustrate this here with real case examples contributed by some members.