



## South Asian University

<b>GRIHA LD Masterplan Rating (Version 2)</b>	: 5 stars
<b>Location</b>	: Maidan Garhi, New Delhi
<b>Site area</b>	: 379122.6 sq.m
<b>Built-up area</b>	: 344425.1 sq.m
<b>Energy reduction</b>	: 21% below GRIHA LD base case
<b>Water reduction</b>	: 56.63% below GRIHA LD base case
<b>Organic waste reduction</b>	: 100%
<b>Renewable energy installation proposed</b>	: 2000 kwp

The project has achieved an impact score of 32.1 % by incorporating following strategies:

### Site Planning

- Hard paving has been reduced and landscape is interspersed between the building clusters to reduce the increase in outdoor ambient air temperature.
- Sustainable Urban Drainage systems such as bio swales, retention ponds will be integrated to reduce peak run-off quantity.
- The project will preserve 69% of their existing site features.

### Energy

- The buildings are designed to be about 21% more energy efficient than GRIHA LD base case.
- Street lighting is designed to be almost 11% more energy efficient than the GRIHA LD base case.
- Street lights will be designed to meet minimum lighting requirements and automatic switches will be installed.

### Water

- The project plans to reduce its annual water demand by 56.63% through reuse of treated waste water.
- Three Phytotrid Sewage Treatment Plants will be installed to treat the sewage generated on site.
- All fixtures in the project will be low-flow.

### Solid Waste Management

- The project plans to convert all organic kitchen waste into biogas.
- All waste from campus will be segregated and sent for recycling through authorized recyclers.
- E- waste and medical waste will be disposed of in compliance with the norms.

### Transport

- Site planning has been done to improve walkability of the campus through continuous and universally accessible footpaths.
- Vehicular movement has been restricted to only residential and service areas. The core of the campus shall remain vehicle free.
- Electric charging facilities will be provided for more than 10% of the total car and two wheeler parking slots.

### Social

- All construction workers will be provided with proper safety gear and equipment.
- All construction workers will have access to clean drinking water, toilets and accommodation.
- 20% of the landscape area will be used to grow food.

## Integrated Design Team

Client	: South Asian University
Coordinator	: Archiplan ABRD Architects
Principal Architect	: Archiplan ABRD Architects
Landscape Architect	: Akshay Kaul and Associates
Project Management Consultant	: Tata Consulting Engineers Limited
Structural Consultant	: Optimal Consultant Services
Electrical Consultant	: MJ Consultant
Green Building Design and Certification	: dbHMS