Permanent Campus Development of IIM Raipur

Location: Pota Cheria Village, Naya Raipur
Site Area: 8,09,365 m²
Built-up Area: 71,053 m²
Energy Consumption Reduction: 31.79% reduction in energy consumption compared to GRIHA LD base case
Water Consumption Reduction: 63.8% reduction in water consumption compared to GRIHA LD base case
Renewable Energy: Rated capacity of solar PV installed on site is 60 kWp
GRIHA LD Master Plan Rating: 4 Star Rating (Version 1)

The following strategies were adopted to reduce the building impact on the natural environment:

Site Planning:
• Hard paving has been reduced and landscape is interspersed between the building clusters to reduce the increase in outdoor ambient air temperature.
• Storm water management has been planned to reduce peak run-off quantity.

Energy Optimization:
• The buildings are designed to be about 31.79% more energy efficient than GRIHA LD base case.
• Street lighting is designed to be about 64.77% more energy efficient than the GRIHA LD base case.

Water Management:
• Project shall reduce its annual water demand by 63.8% through reuse of treated waste water.
• STP based on MBBR technology will be installed for treating waste water.
• Low-flow fixtures will be installed in the project.

Solid Waste Management:
• Organic waste converter will be installed to convert organic waste into manure which shall be used in landscape activity.
• The project will treat 58.12% of organic waste generated on site.
• All waste from campus will be segregated and sent for recycling through authorized recyclers.

Efficient Transport:
• Site planning has been done to improve walkability of the campus through continuous and universally accessible footpaths.
• Footpaths, cycle tracks, parking and benches will be provided to facilitate pedestrians and encourage walking/cycling within campus.
• Separate pathways for different modes of transport such as motorized and non-motorized vehicles are designed within the campus.

Social:
• All construction workers will have access to clean drinking water, toilets and accommodation.
• All construction workers to have proper safety gear and equipment.
• Environmental awareness signboards shall be provided at various locations within the campus.

Integrated Design Team:
Client: IIM, Raipur
Principal Architect: Arcop Associates Pvt. Ltd.
Landscape Architect: Studio ATK
Green Building Design and Certification: TERI