



Permanent Campus Development of IIM Raipur

Location	: Pota Cheria Village, Naya Raipur
Site Area	: 8,09,365 m ²
Built-up Area	: 71,053 m ²
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