

Construction Safety and Green Campus Compliance

The Indian Institute of Technology (IIT) Mandi is committed to ensuring that all campus development activities are undertaken in accordance with the highest standards of occupational safety, environmental protection, and sustainable infrastructure development. The Institute integrates statutory safety requirements, environmental safeguards, and Green Campus initiatives into the planning, execution, and monitoring of all construction and maintenance works.

The Construction Section, in coordination with executing agencies and stakeholders, ensures compliance with applicable statutory provisions, Central Public Works Department (CPWD) guidelines, and the Institute's Green Campus Policy.

A.) Construction Safety Management

A comprehensive Construction Safety Management Framework has been established to provide a safe and healthy working environment for all personnel engaged in campus development activities.

➤ Personal Protective Equipment (PPE)

The use of Personal Protective Equipment (PPE) is mandatory for all personnel working at construction sites. The prescribed PPE includes:

- Safety helmets
- Reflective safety jackets
- Safety shoes
- Protective gloves
- Safety goggles
- Face masks
- Full-body safety harnesses (where applicable)
- No worker is permitted to enter or work at a construction site without the prescribed PPE.

➤ Site Safety Protocols

Appropriate safety measures are implemented at all construction sites to minimize occupational hazards and ensure safe execution of works. These include:

Safe work procedures for work at height, scaffolding, excavation, electrical installations, and material handling.

Installation of barricades, guardrails, warning signage, and safety nets at hazardous locations.

Regular inspection and maintenance of construction equipment and temporary structures.

➤ Safety Training and Awareness

Safety awareness forms an integral part of construction management. The Institute ensures that:

Safety induction programmes are conducted for all workers before commencement of work.

Regular toolbox talks and safety awareness sessions are organised at construction sites.

Workers are periodically informed about hazard identification, emergency response procedures, and safe work practices.

➤ Incident Reporting and Monitoring

A structured mechanism has been established for reporting and managing workplace incidents. The framework includes:

Immediate reporting of accidents, near-miss incidents, and unsafe conditions.

Investigation to identify root causes.

Implementation of corrective and preventive actions.

Periodic review of safety performance to facilitate continuous improvement.

B.) Environmental and Green Campus Compliance

The Institute is committed to minimizing the environmental impact of campus development activities by integrating sustainable construction practices and resource conservation measures.

- Segregation, recycling
- scientific disposal of construction and municipal waste.
- Promotion of composting and sustainable waste management practices.
- Conservation of water through efficient usage and rainwater harvesting initiatives.
- Adoption of energy-efficient systems and resource conservation measures.
- Restriction on the use of single-use plastics across the campus.
- Protection and preservation of trees, natural vegetation, green cover, and biodiversity during project execution.
- Adoption of environmentally responsible construction methodologies.
- Periodic environmental monitoring and compliance reviews to ensure adherence to applicable environmental norms.

C.) Institutional Commitment

IIT Mandi remains committed to integrating occupational safety, environmental protection, energy conservation, waste management, and biodiversity enhancement into all phases of campus development. Through systematic implementation of statutory safety requirements, CPWD guidelines, and the Institute's Green Campus Policy, the Institute continues to develop infrastructure that is safe, resilient, resource-efficient, and environmentally sustainable.

These initiatives reflect the Institute's commitment to creating a healthy, secure, and sustainable campus environment for students, faculty, staff, visitors, and all stakeholders.



SAVE GREENERY... SAVE ENVIRONMENT!!

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IIT MANDI GREEN AGENDA

CONSTRUCTION SAFETY – KEY NORMS

Safety of personnel, equipment and property is paramount during all construction activities at IIT Mandi.

1. PPE COMPLIANCE (MANDATORY)

- All workers, supervisors, engineers and visitors must wear appropriate PPE.
- No worker shall be permitted on site without the prescribed PPE.

Helmet Reflective Jacket Safety Shoes

Hand Gloves Goggles / Face Shield Dust Mask Safety Harness

2. SITE SAFETY PROTOCOLS

- WORK AT HEIGHT:** Use safety harness, guardrails, toe boards and safety nets. Work only in safe weather conditions.
- EXCAVATION SAFETY:** Barricade excavations, provide shoring/benching, safe access/egress and locate underground utilities.
- SCAFFOLDING SAFETY:** Erected by trained personnel, properly planked, with guardrails & inspected regularly.
- GENERAL SITE SAFETY:** Good housekeeping, safe storage of materials, electrical safety, fire extinguishers, first-aid facilities and adequate signage.

3. SAFETY INDUCTION & TRAINING

- Mandatory safety induction before start of work.
- Toolbox talks conducted regularly (weekly).
- Training covers hazards, PPE, safe work practices, emergency response, permit systems and reporting.
- Training and attendance records are maintained and available for inspection.

4. ACCIDENT & INCIDENT REPORTING

- All accidents, near misses, dangerous occurrences and unsafe conditions must be reported immediately.
- Follow steps: Report → Provide First Aid → Secure Area → Investigate → Take Corrective Action → Record.
- Incident investigation reports and corrective actions are documentable and monitored.

REPORT FIRST AID SECURE AREA INVESTIGATE CORRECT & PREVENT RECORD

Compliance with statutory requirements, CPWD guidelines, labour laws and IS standards is mandatory. Safety First – Always, Everytime, Everywhere.

GREEN CAMPUS – SMALL ACTIONS, BIG IMPACT

Together, through simple everyday actions guided by the practices below, the IIT Mandi community is shaping a clean, green, resource-efficient, and sustainable campus for present and future generations.

1. USE ENERGY-EFFICIENT APPLIANCES

- Prefer 5-star rated electrical appliances.
- Energy-efficient devices reduce electricity consumption and operating costs.

2. ADOPT ENERGY-EFFICIENT COMPUTING

- Use laptops wherever feasible.
- Enable power-saving modes.
- Minimize printing and use double-sided printing.

3. SWITCH OFF WHEN NOT IN USE

- Turn off lights, fans, ACs, computers, printers and other devices after use.

4. PROMOTE SUSTAINABLE TRANSPORTATION

- Walk or cycle within campus.
- Minimize use of motor vehicles to reduce carbon emissions and improve health.

5. CONSERVE WATER

- Use water judiciously and avoid wastage.
- Report leakages promptly.
- Promote rainwater harvesting and reuse of treated water.

6. REDUCE PLASTIC CONSUMPTION

- Carry reusable cloth bags and water bottles.
- Avoid single-use plastics and excess packaging.

7. AVOID DISPOSABLE CUPS & CUTLERY

- Prefer reusable cups, bottles, plates and utensils.

8. SEGREGATE WASTE AT SOURCE

- Dispose biodegradable, recyclable and hazardous waste in designated bins.
- Proper segregation improves recycling and reduces landfill waste.

9. REUSE & RECYCLE

- Reuse paper, stationery, bottles and other materials.
- Support recycling initiatives across campus.

10. PLANT & PROTECT TREES

- Participate in plantation drives and increase campus green cover.
- Protect trees and biodiversity for a healthy environment.

BUILDING A GREEN AND SUSTAINABLE CAMPUS

IIT Mandi integrates construction safety, environmental protection, energy conservation, waste management and biodiversity enhancement into all campus development activities.



"Every small action contributes towards building a cleaner, greener, and more sustainable IIT Mandi."