

R.C.Patel College Of Engineering & Polytechnic, Shirpur

Department of Civil Engineering



Course Title- Construction Management

Course Code - 313010

Programme Name -Civil Engineering

Semester-Third

Unit	Title	COs	Learning hours	R Level	U Level	A Level	Total Marks
III	Safety and labour laws in construction	CO4	02	00	00	00	00



Unit 4. Safety and labour laws in construction.

4.1 Importance of safety in construction work:

Importance

- 1) Protects workers from injuries & death.
- 2) Reduces damage to materials & equipments.
- 3) Improves productivity and work quality.
- 4) Reduces medical and compensation costs.
- 5) Creates a safe and healthy working environment.

Role of Top Management

A) Senior Project manager

- Responsible for the implementation of safety, health and environmental policies, practices & procedures.

B) Assistant Project Manager

- Organize the project and ensure that the work is carried out in accordance with the agreed standard of safety.

C) Safety manager

- Assist in the formation of safety committees.

Causes of accidents on construction site

- 1) Carelessness of workers.
- 2) Lack of safety training.
- 3) Not using personal protective equipment (PPE)
- 4) Unsafe scaffolding and ladders.
- 5) Poor housekeeping at the site.
- 6) Faulty machinery and tools.
- 7) Electrical hazards
- 8) Falling from heights.
- 9) Improper material handling.
- 10) Lack of supervision.

Remedial Measures

- 1) Provide proper safety training
- 2) Regularly inspect tools and equipment.
- 3) Follow safety rules and procedures.
- 4) Install safety signs and warning boards
- 5) Ensure proper supervision
- 6) Conduct regular safety meetings.

Precautions to Avoid Accidents

- 1) Wear safety helmets, shoes, gloves etc.
- 2) Provision of the standard set of construction policy.
- 3) Provide safety training for all employees.
- 4) Hold frequent crew safety meetings.
- 5) Utilising Personal Protective equipment
- 6) Keep the workspace clean.
- 7) Maintain & prevent falls.
- 8) Recognize the hazards and make a plan.
- 9) Be careful with vehicles.
- 10) Follow OSHA guidelines and report any dangerous working conditions.

Safety policies

Safety policies are guidelines prepared by an organization to ensure safe working conditions.

Main objectives →

- 1) Prevent accidents and injuries
- 2) Promote safe work practices.
- 3) Provide safety training.
- 4) Ensure compliance with safety regulations.
- 5) Improve worker welfare & health.

4.2 Legislation and labour laws

Introduction: Industrial legalizations are the laws enacted by the government to provide economic and social justice to the workers in industries.

Objectives →

- 1) Prevent accidents and injuries.
- 2) Promote safe work practices.
- 3) Provide safety training.
- 4) Improve worker welfare & health.

1. Workmen's compensation Act - 1923

This act provides compensation to workers or their families if a worker is injured, disabled, or dies due to an accident during employment.

Objectives:

- 1) Protect workers financially.
- 2) Provide compensation for work-related injuries.
- 3) Support families in case of death of a worker.

2. Minimum Wages Act

Introduction → The minimum wages Act of 1948 strives to secure the welfare of both skilled and unskilled labourers in India.

- This Act ensures that workers receive a minimum wage fixed by the government for their work.

Objectives →

- 1) Prevent exploitation of workers
- 2) Ensure fair wages
- 3) Improve workers living standards.

3. Building and other construction workers

- The Building and other construction workers Act, 1996 is an Indian legislation that aims to regulate the employment and conditions of service of building and other construction workers.
- This Act protects the safety, health, and welfare of construction workers.

objectives →

- 1) Provide safe working conditions
- 2) Ensure welfare facilities.
- 3) Regulate employment conditions.
- 4) Promote health and safety at construction sites.

welfare Benefits →

- 1) Medical assistance
- 2) Accident compensation
- 3) Educational support for children.
- 4) Pension schemes.

4. Janshree Bima Yojna (JBY)

- Janshree Bima Yojana (JBY) also known as Janshree Teeran Yojana, social security insurance scheme for poor & low-income workers.

Benefits →

- 1) Insurance coverage in case of death.
- 2) financial assistance for permanent disability
- 3) support for families of workers.
- 4) Educational scholarships for children of insured workers.