

CONSTRUCTION MANAGEMENT

Notes by-

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Safety Engg.

safety
Job layout
Quality
Equip.
organisat.

When Quantity of work is executed, so much financial investment is made, accidents are unfor unavoidable; but it is prime necessity to minimise accidents. It has been said of a certain section of rail or road that every tie laid represents the loss of one human life; the life of a worker on the gang that built the rail road. During earlier of constⁿ, it was common practice to presume that following constⁿ will cause life of one person (cost) either labour or other person involved in constⁿ at site.

It has been investigated that, more than 10 million worker receive injury during 1 year, throughout the world.

Types of occupational accident:-

- ① Exposure to temp, dust, gas etc.
- ② Contact with electric current.
- ③ Striking against body
- ④ Falling from height.
- ⑤ Slipping
- ⑥ Caught in machine
- ⑦ Rubbed in machine
- ⑧ Powered vehicle accident

* Cost of accident:-

- Direct
- ① Loss of life.
 - ② Injuries
 - ③ Loss or damage to equipment
 - ④ Loss of time.
 - ⑤ Compensation, insurance.

- Indirect
- ① Investing Committee's cost
 - ② Delay in
 - ③ Mental conditions.
 - ④ Frustration.
 - ⑤ Quality of finished good.

Indirect cost = 4x Direct cost.

* Balanced health & safety policy should include -

- ① Safe & healthy working condition.
- ② Training of employee.
- ③ To obey safety laws.
- ④ Use of safety instrument. & mats.
- ⑤ ~~Ill~~ Ill worker & children should not be employed.
- ⑥ Medical checkup of workers.
- ⑦ Applicatⁿ of systematic safety programmes.
- ⑧ Posters & sign-boards to denote "Danger-zone."

* Accident Prevention Programme :-

Que : MPSC-99 - enlist 6 diff. & important aspects of safety programme

MPSC-96 - Safety clauses in contract document.

- safety precautions for exterior painting of G+2 bld.
- safety measure for tunnel project