

SAFETY PRECAUTIONS

Safety Precautions

When operator enters into the workshop he should first observe safety to save himself and others.

Precautions when using machines

- i) Do not lean against the machine, it is a bad practice and also a dangerous one.
- ii) Do not work on a machine in bad light.
- iii) Never switch on a machine unless or otherwise you know all mechanism and operation of machine.
- iv) When using any grinding parts, protect the eyes by wearing goggles or using shields.
- v) Do not clean metal chips by hand, use wire brush for cleaning.
- vi) Be in a habit of cleaning the machine, equipments and tools regularly.

Precautions in workshop

- i) Keep the workshop neat and tidy. Many accidents are caused due to people tipping over things left, trying over gangways.
- ii) Do not run on in the workshop. Walk carefully.
- iii) See that the floor is free from slippery substances.
- iv) Keep gangways clean and clear.
- v) Everything should be in place and wasting should be provided to throw waste metal pieces.
- vi) Workshop should have proper lighting and ventilation.

Precautions while using hammer

- i) There should be no grease or oil on the handle.
- ii) Hammer head should not be projecting outward.
- iii) Handle should not be too long or too short.

Precautions while using chisel

- i) It should be handled carefully and must be grounded.
- ii) Goggles must be used while chipping.

Precautions while using file

- i) The finger of left hand must not be crooked under file as this may injure the fingers.
- ii) Metal chips must not be removed while doing job by bare hands where brush is used.
- iii) Files without handles or those with crook must not be used

Precautions during welding

- i) We should never use oxygen cylinders near inflammable substances.
- ii) Acetylene or oxygen cylinder must be kept separately.
- iv) Do not weld in continued space without adequate ventilation.
- v) We should always use goggles while welding.
- vi) Make sure that connection are air tight by using soap water.
- vii) Never use matches for lighting while welding.
- viii) When welding is to be stopped, close the cylinder value and release all the gas pressure from regulators and hoses by opening torch. When regulator shows zero, release pressure, adjusting screw and closing valves.

Precautions on clothing

- i) Tight fitting coats are safer than loose fitting coats.
- ii) Avoid wearing rings, long sleeved shirts and watches while working.
- iii) Clear covered footwear having thick soles and tough above.
- iv) Hair must be combed well and kept away from danger.