



NTPC-MAITI BARKAGAON PRIVATE INDUSTRIAL TRAINING INSTITUTE

BARKAGAON, HAZARIBAGH

File Reference No: - DGT-6/34/5/2015-TC (PR20000210)

Run & Managed by

*“Jharkhand Government Mini Tool Room & Training Centre, Ranchi
Tatisilwai Industrial Area, Plot No: 38, Phase-I, Ranchi-835103”*

General Maintenance & Plumbing- Plumbing is any system that conveys fluids for a wide range of applications. Plumbing uses pipes, valves, plumbing fixtures, tanks, and other apparatuses to convey fluids. Heating and cooling (HVAC), waste removal, and potable water delivery are among the most common uses for plumbing, but it is not limited to these applications. The word derives from the Latin for lead, *plumbum*, as the first effective pipes used in the Roman era were lead pipes



Syllabus

1. Importance of trade training, List of tools & Machinery used in the trade.(1 hr) 2.
2. Safety attitude development of the trainee by educating them to use Personal Protective Equipment (PPE)
3. First Aid Method and basic training
4. Safe disposal of waste materials like cotton waste, metal chips/burrs etc.
5. Hazard identification and avoidance.
6. Safety signs for Danger, Warning, caution & personal safety message.
7. Preventive measures for electrical accidents & steps to be taken in such accidents.
8. Use of Fire extinguishers.
9. Practice and understand precautions to be followed • Importance of safety and general precautions required for the trade. • Importance of the trade. • Types of work to be done by trainees in the institute. • Scope of a plumbing work. • Types of services have to plan. • Basic Bench fitting (TRADE SYLLABUS PLUMBER) while working in the trade.
10. Safe use of tools and equipment used in the trade.
11. Use Steel rule and Steel Tape for measuring, Use Scriber and Divider for marking on raw materials.
12. Demonstrate use of different types of Vice: - Bench vice, Pipe vice, Chain Vice, Hand vice, Chain Wrench.
13. Demonstrate use of various Hand Tools: - Different Files, Hammer, Centre Punch, Hacksaw, Chisel, Callipers, Pipe Wrench, Stock & Dies, Taps and Holders. • Plumber's common hand tools - names, description and material from which they are made. • Description, types and uses of holding device, hammers & cold chisels, cutting tools.
14. Inspect raw material for rusting, scaling, corrosion etc.
15. Mark out lines, gripping suitably in vice jaws, hacksawing to given dimensions.