

Institute of Nano Science and Technology (INST)

LABORATORY SAFETY TRAINING / UNDERTAKING FORM

I, S/o / D/o
hereby confirm that I have participated in all the relevant laboratory safety orientation programme mentioned below as per Laboratory Safety Standard decided by ESHD, INST.

Following topics have been covered in the safety training (Please check (√) the points):

- Introduction to laboratory-specific Chemical Hygiene Plan: Location and Contents
- Review Chemical Inventory.
- Review of **Materials Safety Data Sheets (MSDSs)**.
- Review emergency information: Spills, Personal Injury, Fire, and Power Failure.
 - Fire extinguisher
 - First aid supplies
 - Safety shower
 - Eye wash
 - Evacuation plans
- Basic Safety Rules
 - Identify specific areas for food consumption outside of the lab.
 - Review procedures for working after hours.
- Review Waste Handling Procedures.
 - Labelling
 - Packaging
 - Pick-ups
- Review procedures for chemical procurement, distribution, and storage.
- Review Standard Operation Procedures for use of hazardous materials
 - Storage (acid cabinet, flammable liquid storage cabinet, flammable liquid storage refrigerator, etc.)
 - Personal Protective Equipment (PPE)**
 - Location where certain procedure(s) may be performed (e.g., mechanical ventilation required)
 - Waste Disposal (Aqueous, Solid, Biohazardous, and Radioactive)

- Review procedures for use of compressed gas cylinders
- Protective Apparel and Equipment.
 - When safety glasses, goggles, or face shields are required.
 - Any need for other protective equipment.
 - Selection of gloves.
- Exposure Monitoring
 - Discuss **Permissible Exposure Limits** and **Threshold Limit Value** for chemicals in use and how to reduce employee exposure.
 - Discuss building ventilation.
 - Discuss use of fume hoods, biological safety cabinets or other mechanical ventilation systems.
- Review **Standard Operating Procedure (SOP)** for working with Biologically Hazardous Materials
 - Review Exposure Control Plan if working with human blood or other potentially infectious materials.
 - Discuss Biosafety Manual if working with recombinant DNA or infectious agents.
 - Review Hepatitis B Vaccination Program.
 - Review **Personal Protective Equipment (PPE)**, Housekeeping and Waste Disposal Procedures.

I S/o, D/o undertake that while working in the Laboratory, if any mishap occurs due to which any injuries / wounds are inflicted upon me, I shall be solely responsible for it and shall not make any claim(s) whatsoever.

Signature

Date:

Name:

Designation:

Organisation: