

Thermal-hydraulic & Nuclear Safety Research Laboratory

A laboratory titled “**Thermal-hydraulic & Nuclear Safety Research Laboratory**” has been setup at IIT Roorkee to execute safety experiments. Full length PT heatup experiment is one of them. Fig. 1 shows the picture of the laboratory (external and internal with the PT heatup test section)

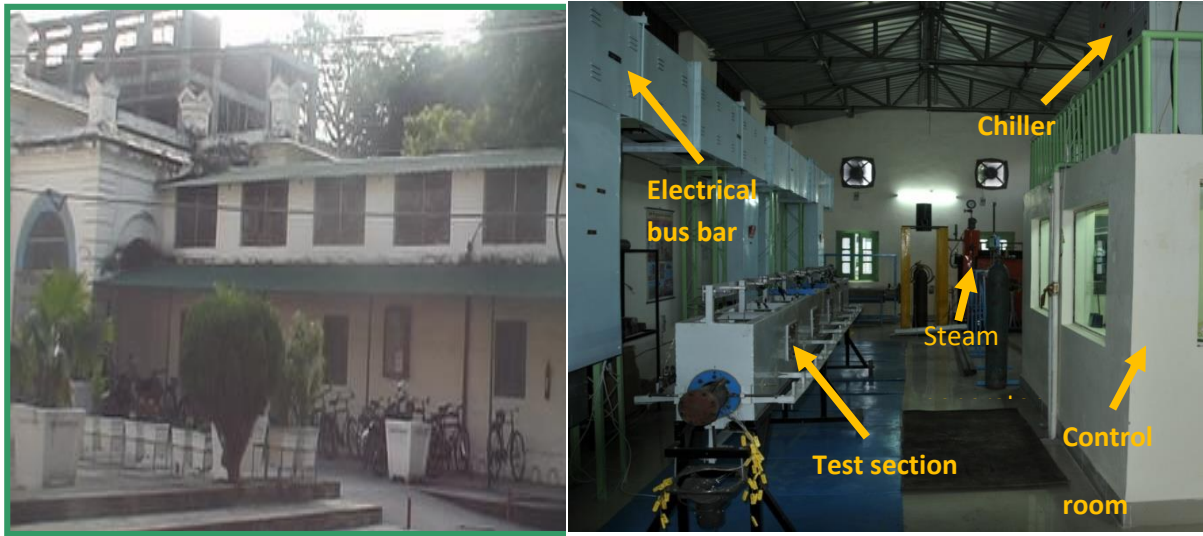


Figure. 1: Thermal-hydraulic & Nuclear Safety Research Laboratory, IIT Roorkee

Laboratory description: The laboratory is equipped with 490 kW Dc rectifier for supplying power for heating different test sections, a steam generator with a supply capacity of 2 gms/s and supply pressure of 50 bar. A chiller for process cooling to remove heat added to the test sections and rectifier. A control room is provided where data logging and remote control of any operation can be done.