

Name of Lab: - Thermal Engineering Lab

Name of Lab In charge: - Prof. Nagre G.P

Name of Lab Assistant: - Mr. Patil S.K

The objective of this lab is to understand and apply thermodynamic laws to various thermodynamic systems such as internal combustion engines, boilers and turbines ,condensers etc.to Diploma students through practical's. In this lab the practicals are performed to measure thermal conductivity and verifying the Stefan Boltzmann law for various modes of heat transfer. Students have a fairly good understanding of the theory underlying the practicals and the entire lab course is designed such that classroom lectures precede the lab work.

Maharashtra State Board of Technical Education

Equipment List

Name of Lab: **Thermal Engineering Lab**

Particulars: Specifications of Major/essential Equipment required for conduction of practical as per curriculum.

Sr no	Particulars	No of Available	Cost
1	Boiler Models	1	55763
2	Heat Exchanger Models	1	39817
3	Photovoltaic Cell	1	14099
4	Solar Water Heater	1	36536
5	Stefan Boltzman Apparatus	1	21288
6	Thermal Conductivity Of Metal Rod	1	21237
	Total Cost		188740

Lab In charge

HOD