

**Thermal Engineering Lab, Department of Mechanical Engineering
SRM Institute of Science and Technology, Kattankulathur - 603 203.**

Requisition form for Usage of Lab Facility

Name:

Date:

Register Number:

Organisation:

Organisation Address:

Mail Id:

Reference/ Guide Name:

Facility to be requested:

Details of the sample:

Certification and undertaking by financially responsible person (HOD/Principal/ Guide):

I agree to pay the service charges for this analysis and certified that the user is a student/staff of our organization. I assure you that, all publications arising out of research work done in the **Thermal Engineering Lab, Department of Mechanical Engineering, SRM Institute of Science and Technology** shall be duly acknowledged. Cost of consumables and breakages/ broken, if any will have to borne by the applicant.

Signature of the user

Signature of the Guide

Signature of the HOD/Mechanical

For office use

Date of receipt of sample:

Receipt/ Transaction Number:

Scheduled delivery date of sample:

Number of samples:



Faculty of Engineering and Technology
Department of Mechanical Engineering and Technology
Consultancy Equipments/ Machines/ Software details

Name of the Lab: Thermal lab

Name of the Lab Head I : Dr.G.Balaji

Name of the Lab Head II : Mr.G.Manikandaraja / Dr.S.Balai

S. No.	Name of the Equipment/ software, etc.	Quantity	Specifications	Purpose	Test standards, if applicable	Any Consultancy workdone already? If yes details	Consumables requirement for testing or machining	Internal Per /Project Basis	External Per /sample Basis
1	Computerized Diesel Engine	1	Kirloskar Single Cylinder Four Stroke 5.2 kW 1500rpm	Performance, Combustion and Emission.	-	Yes	-	Rs.750/Project	Rs.750/Blend
2	Computerized VCR Diesel Engine	1	Kirloskar Single Cylinder Four Stroke 5.2 kW 1500rpm	Performance, Combustion and Emission	-	Yes	-	Rs.750/Project	Rs.750/Blend
3	Kirloskar Diesel Engine	1	Single Cylinder Four Stroke 5.2 kW 1500rpm	Performance and Emission.	ASTM D6681-14	Yes	-	Rs.400/Project	Rs.400/Blend
4	AVL Gas analyser	1	444 DigGas	Emission Mesurement (CO, HC, CO ₂ , O ₂ and NO _x)		Yes	Tube Filter, Line Filter, Paper Filter	Rs.1000/Set of Readings	Rs.1000/Set of Readings
5	AVL Smoke meter	1	Type - 437C Smoke Column (0.430 ± 0.005m)	Smoke (only for Free Acceleration Test)	ASTM - E1354	Yes	-	Rs.200/Set of Readings	Rs.200/Set of Readings
6	Magnetic Stirrer with Heater	1	5 Litres	Mixing & Heating	ASTM - D5958	Yes	-	Free	Free
7	Redwood Viscometer	1	Temp Range (30°C -99°C)	Viscosity Mesurement	IP-70	Yes	-	Free	Free

8	Saybolt Viscometer	1	Temp Range (30°C -99°C)	Viscosity Mesurement	ASTMD-88	Yes	-	Free	Free
9	Cleave Land Open Cup Flash and Fire Point Tester	1	Temp Range (30°C -360°C)	Flash & Fire Point Mesurement	ASTM - D92	Yes	-	Free	Free
10	Ash content Apparatus	1	Temp Range (30°C - 1000°C)	Ash Content Mesurement	ASTM - D8078	Yes	-	Rs. 100/Each Sample	Rs. 100/Each Sample
11	Digital Bomb Calorimeter	1	Model (SABC - 01)	Calorific Value Measurement	ASTM - D240	Yes	-	Rs. 100/Each Sample	Rs. 100/Each Sample
12	Weighing Machine	1	Range (0.05g - 220 g)	Weight Mesurement	ASTM - E898	Yes	-	Free	Free
13	Cloud and Pour Point Apparatus	1	Temp Range (30°C - (- 40°C))	Cloud and Pour Point Mesurement	ASTM - D2500	No	-	Rs. 200/Each Sample	Rs. 200/Each Sample