



Indian institute of Technology, Kanpur
Advance Center for Material Science

Mechanical Testing Lab (104)

Lab-in-charge: Mr. Ramakrishna

ramkris@iitk.ac.in

Ph: 0512-259-7878

Sample preparation Facility (103)

Lab-in-charge: Mr. Jai Kishan

jai@iitk.ac.in

Ph: 0512-259-7624

Maintenance charges to be levied to Users

Testing/ Operation	Rates for Inside IITK	Rates for academia outside IITK	Rates for Industry
a. Lathe and related operations for sample preparation for Mechanical testing Lab	Rs. 50 per sample/ hour(no charges for one sample/ one hour)	Rs 250 per sample	Rs. 1000 per sample
b. Other sample preparation technique (eg. wire-saw, vibromet, EDM)	Rs. 100 per hour (no charges for < 1hr)	Rs 500 per sample	Rs. 2000 per sample
c. Room Temperature tension/ torsion/ compression/ (standard ASTM samples ready-to-go) [<i>Only clip-gauge can be provided. Strain-gauges, if required, must be provided and fixed on the sample, by the users</i>]	Rs. 50 per sample or Rs. 50 per hour, which is higher	Rs 250 per sample	Rs 1000 per sample
d. Fatigue Tests (10 Hz or higher)	<ul style="list-style-type: none"> • Rs 5000 for S-N curve (with 5 samples) • For more samples, following rates: • Rs. 250 per sample for upto 20K cycles • Rs. 500 for upto 1 Lakh cycles • Rs. 1500 for upto 5 Lakh cycles • Rs. 5000 for upto 30 Lakh cycles 	<ul style="list-style-type: none"> • Rs 10000 for S-N curve (with 5 samples) • For more samples, 2X 	<ul style="list-style-type: none"> • Rs 50,000 for S-N curve (with 5 samples)



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e. J_{1C}/K_{1C} (opening crack + testing)	• Rs 250 + Rs 100	• Rs 500 + Rs 250	• Rs 5000 + Rs. 1000
f. Simple tests with furnace (from RT to 500C)	An additional charge of Rs. 100 per hour	Additional charge of Rs. 200	Additional charge of Rs. 2000
g. Simple tests with furnace (from 500C to higher temperature)	An additional charge of Rs. 150 per hour	Additional charge of Rs. 300	Additional charge of Rs. 3000
h. Tests with DIC	An additional charge of Rs. 500 per setting which include upto 5 samples)	Not Available	Not Available
i. Creep Tests (upto 120 hours)	Rs. 1000 per sample	Rs 3,000 for per sample	Rs. 20,000 per sample
j. Creep Tests (more than 120 hours)	Increments in multiples of Rs. 1000 for each additional 120 hours or parts there of	Rs 3,000 for each additional time	Rs. 20,000 for each additional time

Shashank Shekhar

Dated: July 28th, 2014

Dr. Shashank Shekhar (Ph. 6528)
Convener, MTL and Sample Preparation Facility