

**Malaviya National Institute of Technology Jaipur,
Material Research Centre
Equipment Usage Rate and Units**

Atomic Absorption Spectrometer (AAS)			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Flame Absorption	Rs. 1000 (Per element) Other Details (Max. Sample: 14)	Rs. 300 (Per element) Other Details (Max. Sample: 14)	Rs. 200 (Per element) Other Details (Max. Sample: 14)
Graphite	Rs. 1000 (Per element) Other Details (Max. Sample: 5)	Rs. 500 (Per element) Other Details (Max. Sample: 5)	Rs. 400 (Per element) Other Details (Max. Sample: 5)
Hydride	Rs. 1000 (Per element) Other Details (Max. Sample: 5)	Rs. 500 (Per element) Other Details (Max. Sample: 5)	Rs. 400 (Per element) Other Details (Max. Sample: 5)

Atomic Force Microscope (AFM)			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT

AFM	Rs. 1500 (Per Sample) Other Details (Max. Sample: 2)	Rs. 600 (Per Sample) Other Details (Max. Sample: 2)	Rs. 400 (Per Sample) Other Details (Max. Sample: 2)
MFM	Rs. 5000 (Per Sample) Other Details (Max. Sample: 1)	Rs. 2200 (Per Sample) Other Details (Max. Sample: 1)	Rs. 1200 (Per Sample) Other Details (Max. Sample: 1)
STM	Rs. 5000 (Per Sample) Other Details (Max. Sample: 4)	Rs. 2200 (Per Sample) Other Details (Max. Sample: 4)	Rs. 1200 (Per Sample) Other Details (Max. Sample: 4)
Nano-Indentation	Rs. 7200 (Per Sample) Other Details (Max. Sample: 2)	Rs. 3500 (Per Sample) Other Details (Max. Sample: 2)	Rs. 1500 (Per Sample) Other Details (Max. Sample: 2)

BET Surface Area Analyzer			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
BET Surface Area Analyzer (Multi Point)	Rs. 3000 (Per Sample) Other Details (Max. Sample: 1)	Rs. 2000 (Per Sample) Other Details (Max. Sample: 1)	Rs. 1500 (Per Sample) Other Details (Max. Sample: 1)

Comsol Software			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT

Copper grid for TEM			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
TEM grid	Rs. 500 (Per Sample) Other Details (Max. Sample: 5)	Rs. 400 (Per Sample) Other Details (Max. Sample: 5)	Rs. 350 (Per Sample) Other Details (Max. Sample: 5)

De-Ionized water unit			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
D I water	Rs. 10 (Per Litre) Other Details (Max. Sample: 10)	Rs. 10 (Per Litre) Other Details (Max. Sample: 10)	Rs. 10 (Per Litre) Other Details (Max. Sample: 10)

Dynamic Mechanical Analyzer (DMA)			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Tension	Rs. 1500 (Per Hour) Other Details (Max. Sample: 2) 50 (Ln2 Charges if required. Rs 50 per ltr.)	Rs. 800 (Per Hour) Other Details (Max. Sample: 2) 50 (Ln2 Charges if required. Rs 50 per ltr.)	Rs. 500 (Per Hour) Other Details (Max. Sample: 2) 50 (Ln2 Charges if required. Rs 50 per ltr.)

Compression	Rs. 1500 (Per Hour) Other Details (Max. Sample: 2) 50 (Ln2 charges is applicable Rs 50 per ltr)	Rs. 800 (Per Hour) Other Details (Max. Sample: 2) 50 (Ln2 charges is applicable. Rs 50 per Ltr.)	Rs. 500 (Per Hour) Other Details (Max. Sample: 2) 50 (Ln2 Charges if required. Rs 50 per ltr.)
Single Cantilever	Rs. 1500 (Per Hour) Other Details (Max. Sample: 3) 40 (Ln2 Charges if required. Rs 40 per ltr.)	Rs. 800 (Per Hour) Other Details (Max. Sample: 3) 40 (Ln2 Charges if required. Rs 40 per ltr.)	Rs. 500 (Per Hour) Other Details (Max. Sample: 3) 40 (Ln2 Charges if required. Rs 40 per ltr.)
Dual Cantilever	Rs. 1500 (Per Hour) Other Details (Max. Sample: 3) 40 (Ln2 Charges if required. Rs 40 per ltr.)	Rs. 800 (Per Hour) Other Details (Max. Sample: 3) 40 (Ln2 Charges if required. Rs 40 per ltr.)	Rs. 500 (Per Hour) Other Details (Max. Sample: 3) 40 (Ln2 Charges if required. Rs 40 per ltr.)
3-Point Bending	Rs. 1500 (Per Hour) Other Details (Max. Sample: 2) 50 (Ln2 Charges if required. Rs 50 per ltr.)	Rs. 800 (Per Hour) Other Details (Max. Sample: 2) 50 (Ln2 Charges if required. Rs 50 per ltr.)	Rs. 500 (Per Hour) Other Details (Max. Sample: 2) 50 (Ln2 Charges if required. Rs 50 per ltr.)
Shear	Rs. 1500 (Per Hour) Other Details (Max. Sample: 3) 40 (Ln2 Charges if required. Rs 40 per ltr.)	Rs. 800 (Per Hour) Other Details (Max. Sample: 3) 40 (Ln2 Charges if required. Rs 40 per ltr.)	Rs. 500 (Per Hour) Other Details (Max. Sample: 3) 40 (Ln2 Charges if required. Rs 40 per ltr.)

E-Beam/Vacuum Coating Unit			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
PVD (E-Beam)	Rs. 3500 (Per Run) Other Details (Max. Sample: 1)	Rs. 1800 (Per Run) Other Details (Max. Sample: 1)	Rs. 800 (Per Run) Other Details (Max. Sample: 1)
PVD (Filament)	Rs. 3500 (Per Run) Other Details (Max. Sample: 1)	Rs. 1800 (Per Run) Other Details (Max. Sample: 1)	Rs. 800 (Per Run) Other Details (Max. Sample: 1)

Electro-Chemical Workstation			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Electro Chemical Work Station	Rs. 2000 (Per Run) Other Details (Max. Sample: 5)	Rs. 1000 (Per Run) Other Details (Max. Sample: 5)	Rs. 500 (Per Run) Other Details (Max. Sample: 5)

Flourescence Spectrometer			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT

Fluorescence	Rs. 400 (Per Sample) Other Details (Max. Sample: 5)	Rs. 75 (Per Sample) Other Details (Max. Sample: 5)	Rs. 50 (Per Sample) Other Details (Max. Sample: 5)
--------------	---	--	--

FTIR Spectrometer			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
KBr Mode (Maxm 16 scan/sample)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)	Rs. 125 (Per Sample) Other Details (Max. Sample: 5)	Rs. 75 (Per Sample) Other Details (Max. Sample: 5)
ATR Mode (Maxm 16 scan/sample)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)	Rs. 100 (Per Sample) Other Details (Max. Sample: 5)	Rs. 50 (Per Sample) Other Details (Max. Sample: 5)

Glow Discharge Spectroscopy (GDS)			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Stainless Steel	Rs. 800 (Per Sample) Other Details (Max. Sample: 5)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)	Rs. 160 (Per Sample) Other Details (Max. Sample: 5)
Low Alloy Steel	Rs. 800 (Per Sample) Other Details (Max. Sample: 5)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)	Rs. 160 (Per Sample) Other Details (Max. Sample: 5)

Aluminium	Rs. 800 (Per Sample) Other Details (Max. Sample: 5)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)	Rs. 160 (Per Sample) Other Details (Max. Sample: 5)
Copper	Rs. 800 (Per Sample) Other Details (Max. Sample: 5)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)	Rs. 160 (Per Sample) Other Details (Max. Sample: 5)

Gold coating Unit			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
gold coating	Rs. 500 (Per Run) Other Details (Max. Sample: 3)	Rs. 400 (Per Run) Other Details (Max. Sample: 3)	Rs. 350 (Per Run) Other Details (Max. Sample: 3)

Hall Effect Measurement System			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Hall Effect {Maxm Thickness < 2 mm, Sample must be in Square shape (0.5 cm to 1.5 cm)}	Rs. 1000 (Per Sample) Other Details (Max. Sample: 5)	Rs. 250 (Per Sample) Other Details (Max. Sample: 5)	Rs. 150 (Per Sample) Other Details (Max. Sample: 5)

Hall Effect with Temp {Maxm Thickness < 2 mm Sample must be in Square shape (0.5 cm to 1.5 cm)}	Rs. 2000 (Per Sample) Other Details (Max. Sample: 3)	Rs. 600 (Per Sample) Other Details (Max. Sample: 3)	Rs. 300 (Per Sample) Other Details (Max. Sample: 3)
--	---	---	---

Impedence Analyzer			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Impedence Analyzer (100 Hz to 120 MHz available)	Rs. 1000 (Per Sample) Other Details (Max. Sample: 5)	Rs. 150 (Per Sample) Other Details (Max. Sample: 5)	Rs. 125 (Per Sample) Other Details (Max. Sample: 5)

Liquid Nitrogen Plant			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Liquid Nitrogen			Rs. 50 (Per Litre) Other Details (Max. Sample: 20)

Mass Spectrometer			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT

Direct Mass ESI +ve	Rs. 1000 (Per Sample) Other Details (Max. Sample: 5)	Rs. 600 (Per Sample) Other Details (Max. Sample: 5)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)
Direct Mass ESI -ve	Rs. 1000 (Per Sample) Other Details (Max. Sample: 5)	Rs. 600 (Per Sample) Other Details (Max. Sample: 5)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)
APCI	Rs. 1000 (Per Sample) Other Details (Max. Sample: 4)	Rs. 600 (Per Sample) Other Details (Max. Sample: 4)	Rs. 300 (Per Sample) Other Details (Max. Sample: 4)
MS-MS	Rs. 1000 (Per Sample) Other Details (Max. Sample: 2)	Rs. 600 (Per Sample) Other Details (Max. Sample: 2)	Rs. 300 (Per Sample) Other Details (Max. Sample: 2)
LCMS	Rs. 1500 (Per Sample) Other Details (Max. Sample: 2)	Rs. 1200 (Per Sample) Other Details (Max. Sample: 2)	Rs. 600 (Per Sample) Other Details (Max. Sample: 2)
Solid State Probe	Rs. 2400 (Per Sample) Other Details (Max. Sample: 5) 50 (DMSO Rs 50/sample)	Rs. 1200 (Per Sample) Other Details (Max. Sample: 5) 50 (DMSO Rs 50/sample)	Rs. 400 (Per Sample) Other Details (Max. Sample: 5) 50 (DMSO Rs 50/sample)

Micro Hardness Tester			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT

Vickers (Upto 30Kg)	Rs. 500 (Per Sample) Other Details (Max. Sample: 3)	Rs. 250 (Per Sample) Other Details (Max. Sample: 3)	Rs. 100 (Per Sample) Other Details (Max. Sample: 3)
Knoop (Upto 2 Kg)	Rs. 500 (Per Sample) Other Details (Max. Sample: 3)	Rs. 250 (Per Sample) Other Details (Max. Sample: 3)	Rs. 100 (Per Sample) Other Details (Max. Sample: 3)

Microwave Reactor			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Microwave reactor	Rs. 800 (Per Sample) Other Details (Max. Sample: 5)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)	Rs. 100 (Per Sample) Other Details (Max. Sample: 5)

Nuclear Magnetic Resonance Spectrometer (NMR)			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT

Proton 1H	Rs. 1000 (Per Sample) Other Details (Max. Sample: 4) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs 100/sample) 250 (D2O Rs 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 500 (Per Sample) Other Details (Max. Sample: 4) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs 100/sample) 250 (D2O Rs 250/sample) 500 (CD3OD Rs 500/sample) 500 (CD3CN)	Rs. 250 (Per Sample) Other Details (Max. Sample: 4) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs 100/sample) 250 (D2O Rs 250/sample) 500 (CD3OD Rs 500/sample) 500 (CD3CN)
19 F	Rs. 1000 (Per Sample) Other Details (Max. Sample: 4) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 800 (Per Sample) Other Details (Max. Sample: 4) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 500 (Per Sample) Other Details (Max. Sample: 4) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)
C 13	Rs. 1200 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 600 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs.250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 300 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs.250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)

DEPT	Rs. 1200 (Per Sample) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 600 (Per Sample) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 300 (Per Sample) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)
Si	Rs. 1000 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 500 (CD3OD Rs. 500/sample) 250 (D2O Rs. 250/sample) 500 (CD3CN Rs. 500/sample)	Rs. 800 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 500 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 500 (CD3OD Rs. 500/sample) 250 (D2O Rs. 250/sample) 500 (CD3CN Rs. 500/sample)
P	Rs. 1000 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 800 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs.500/sample)	Rs. 500 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs.100/sample) 250 (D2O Rs.250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)

N	<p>Rs. 1000 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs.500/sample) 500 (CD3CN Rs. 500/sample)</p>	<p>Rs. 800 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs.500/sample) 500 (CD3CN Rs. 500/sample)</p>	<p>Rs. 500 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs.100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs.500/sample) 500 (CD3CN Rs. 500/sample)</p>
Cd	<p>Rs. 1000 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>	<p>Rs. 800 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>	<p>Rs. 500 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>
F	<p>Rs. 1000 (Per Sample) Other Details (Max. Sample: 5) 250 (DMSO Rs 250/sample)</p>	<p>Rs. 500 (Per Sample) Other Details (Max. Sample: 5) 250 (DMSO Rs 250/sample)</p>	<p>Rs. 175 (Per Sample) Other Details (Max. Sample: 5) 250 (DMSO Rs 250/sample)</p>

Sn	<p>Rs. 1000 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>	<p>Rs. 800 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs.100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>	<p>Rs. 500 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs.100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>
1D	<p>Rs. 2000 (Per Hour) Other Details (Max. Sample: 5) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>	<p>Rs. 1200 (Per Hour) Other Details (Max. Sample: 5) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 500/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>	<p>Rs. 800 (Per Hour) Other Details (Max. Sample: 5) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>
2D	<p>Rs. 2000 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs.100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>	<p>Rs. 1200 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)</p>	<p>Rs. 800 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/ sample) 500 (CD3CN Rs. 500/sample)</p>

3D	Rs. 2000 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs.250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 1200 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)	Rs. 800 (Per Hour) Other Details (Max. Sample: 2) 250 (DMSO Rs 250/sample) 100 (CDCl3 Rs. 100/sample) 250 (D2O Rs. 250/sample) 500 (CD3OD Rs. 500/sample) 500 (CD3CN Rs. 500/sample)
----	---	--	---

Optical Microscope			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Optical Microscope	Rs. 500 (Per Sample) Other Details (Max. Sample: 5)	Rs. 200 (Per Sample) Other Details (Max. Sample: 5)	Rs. 100 (Per Sample) Other Details (Max. Sample: 5)

Planetary Mono Ball Mill			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Planetary Ball Milling	Rs. 500 (Per Hour) Other Details (Max. Sample: 16)	Rs. 250 (Per Hour) Other Details (Max. Sample: 16)	Rs. 100 (Per Hour) Other Details (Max. Sample: 16)

Raman Spectroscopy with PL			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
RAMAN	Rs. 1000 (Per Sample) Other Details (Max. Sample: 5)	Rs. 450 (Per Sample) Other Details (Max. Sample: 5)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)
PL	Rs. 1000 (Per Sample) Other Details (Max. Sample: 5)	Rs. 450 (Per Sample) Other Details (Max. Sample: 5)	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)
Raman Mapping (approx 100 points)	Rs. 25000 (Per Hour) Other Details (Max. Sample: 2)	Rs. 12000 (Per Hour) Other Details (Max. Sample: 2)	Rs. 12000 (Per Hour) Other Details (Max. Sample: 2)

RF-DC Magnetron Sputtering Unit			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
RF Magnetron Sputtering	Rs. 3500 (Per Run) Other Details (Max. Sample: 1) 500 ("Rs. 500 for < 500 nm film {ZnO, TiO2, Al, Zn, Cu, Ag}")	Rs. 1800 (Per Run) Other Details (Max. Sample: 1) 500 ("Rs. 500 for < 500 nm film {ZnO, TiO2, Al, Zn, Cu, Ag}")	Rs. 800 (Per Run) Other Details (Max. Sample: 1) 500 ("Rs. 500 for < 500 nm film {ZnO, TiO2, Al, Zn, Cu, Ag}")

DC Magnetron Sputtering	Rs. 3500 (Per Reaction) Other Details (Max. Sample: 1) 500 ("Rs. 500 for < 500 nm film {ZnO,TiO2,Al,Zn,Cu,Ag}")	Rs. 1800 (Per Reaction) Other Details (Max. Sample: 1) 500 ("Rs. 500 for < 500 nm film {ZnO,TiO2,Al,Zn,Cu,Ag}")	Rs. 800 (Per Reaction) Other Details (Max. Sample: 1) 500 ("Rs. 500 for < 500 nm film {ZnO,TiO2,Al,Zn,Cu,Ag}")
-------------------------	---	---	--

Sample Preparation Lab - Abrasive Cutter			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Abrasive Cutter	Rs. 100 (Per Sample) Other Details (Max. Sample: 10)	Rs. 100 (Per Sample) Other Details (Max. Sample: 10)	Rs. 100 (Per Sample) Other Details (Max. Sample: 10)

Sample Preparation Lab - Hot Mounting Press			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Hot Mounting Press	Rs. 100 (Per Sample) Other Details (Max. Sample: 9)	Rs. 100 (Per Sample) Other Details (Max. Sample: 9)	Rs. 100 (Per Sample) Other Details (Max. Sample: 9)

Sample Preparation Lab - Illion II			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT

ILLION (X section SEM)	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)
X Section TEM	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)
EBSD Sample Preparation	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)

Sample Preparation Lab - PIPS II Ion Beam Milling			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
PIPS II	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)	Rs. 600 (Per Sample) Other Details (Max. Sample: 10)

Sample Preparation Lab - Twin Jet Tenupol			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT

Tenupol	Rs. 600 (Per Sample) Other Details (Max. Sample: 5)	Rs. 600 (Per Sample) Other Details (Max. Sample: 5)	Rs. 600 (Per Sample) Other Details (Max. Sample: 5)
---------	---	---	---

Sample Preparation Lab - Ultra Sonicator Bath & Probe			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Bath/Probe Sonicator	Rs. 0 (Per Sample) Other Details (Max. Sample: 10)	Rs. 0 (Per Sample) Other Details (Max. Sample: 10)	Rs. 0 (Per Sample) Other Details (Max. Sample: 10)

Sample Preparation Lab - Vacuum Impregnator			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT

Sample Preparation Lab-Diamond Cutter			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Diamond Cutter	Rs. 100 (Per Sample) Other Details (Max. Sample: 10)	Rs. 100 (Per Sample) Other Details (Max. Sample: 10)	Rs. 100 (Per Sample) Other Details (Max. Sample: 10)

Sample Preparation Lab-Manual & Automatic Grinder Polisher

Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Polisher	Rs. 100 (Per Sample) Other Details (Max. Sample: 3)	Rs. 100 (Per Sample) Other Details (Max. Sample: 3)	Rs. 100 (Per Sample) Other Details (Max. Sample: 3)

Scanning Electron Microscope with EDS (FESEM)

Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
FESEM	Rs. 2000 (Per Sample) Other Details (Max. Sample: 3) 500 (Rs. 500 per Run for Au Coating (Max 5 Sample per run))	Rs. 700 (Per Sample) Other Details (Max. Sample: 3) 400 (Rs. 400 per Run for Au Coating (Max 5 Sample per run))	Rs. 350 (Per Sample) Other Details (Max. Sample: 3) 350 (Rs. 350 per Run for Au Coating (Max 5 Sample per run))
FESEM + EDS	Rs. 2200 (Per Sample) Other Details (Max. Sample: 2) 200 (Rs. 500 per Run for Au Coating (Max 5 Sample per run))	Rs. 900 (Per Sample) Other Details (Max. Sample: 2) 200 (Rs. 400 per Run for Au Coating (Max 5 Sample per run))	Rs. 450 (Per Sample) Other Details (Max. Sample: 2) 350 (Rs. 350 per Run for Au Coating (Max 5 Sample per run))

FESEM + EDS/Mapping	Rs. 2400 (Per Sample) Other Details (Max. Sample: 2) 500 (Rs. 500 per Run for Au Coating (Max 5 Sample per run))	Rs. 1200 (Per Sample) Other Details (Max. Sample: 2) 400 (Rs. 400 per Run for Au Coating (Max 5 Sample per run))	Rs. 550 (Per Sample) Other Details (Max. Sample: 2) 350 (Rs. 350 per Run for Au Coating (Max 5 Sample per run))
EBSD	Rs. 12000 (Per Sample) Other Details (Max. Sample: 1) 600 (Ilion Polishing required please refer SPL section)	Rs. 2650 (Per Sample) Other Details (Max. Sample: 1) 600 (Ilion Polishing required please refer SPL section)	Rs. 1500 (Per Sample) Other Details (Max. Sample: 1) 600 (Ilion Polishing required please refer SPL section)

SDA with Probe Station			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
2-Probe	Rs. 1000 (Per Sample) Other Details (Max. Sample: 5)	Rs. 285 (Per Sample) Other Details (Max. Sample: 5)	Rs. 150 (Per Sample) Other Details (Max. Sample: 5)
4-Probe	Rs. 1000 (Per Sample) Other Details (Max. Sample: 5)	Rs. 285 (Per Sample) Other Details (Max. Sample: 5)	Rs. 150 (Per Sample) Other Details (Max. Sample: 5)
3-Terminal	Rs. 1000 (Per Sample) Other Details (Max. Sample: 5)	Rs. 285 (Per Sample) Other Details (Max. Sample: 5)	Rs. 150 (Per Sample) Other Details (Max. Sample: 5)

Sintering Hot Press Machine			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT

Spin Coater			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Spin Coater	Rs. 500 (Per Run) Other Details (Max. Sample: 5)	Rs. 200 (Per Run) Other Details (Max. Sample: 5)	Rs. 50 (Per Run) Other Details (Max. Sample: 5)

Thermal CVD (Technos Instruments, TCVD2-M, India)			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Growth	Rs. 3500 (Per Reaction) Other Details (Max. Sample: 1)	Rs. 1800 (Per Reaction) Other Details (Max. Sample: 1)	Rs. 800 (Per Reaction) Other Details (Max. Sample: 1)
Annealing	Rs. 3500 (Per Reaction) Other Details (Max. Sample: 1)	Rs. 1800 (Per Reaction) Other Details (Max. Sample: 1)	Rs. 800 (Per Reaction) Other Details (Max. Sample: 1)

Thermogravimetric Analyzer (STA-TGA)			
--------------------------------------	--	--	--

Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
DTA-TGA	Rs. 2000 (Per Hour) Other Details (Max. Sample: 3)	Rs. 600 (Per Hour) Other Details (Max. Sample: 3)	Rs. 400 (Per Hour) Other Details (Max. Sample: 3)

Transmission Electron Microscope(HRTEM)			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
HRTEM Imaging	Rs. 3000 (Per Sample) Other Details (Max. Sample: 1) 350 (Rs. 350 For Cu grid)	Rs. 1500 (Per Sample) Other Details (Max. Sample: 1) 350 (Rs. 350 For Cu grid)	Rs. 500 (Per Sample) Other Details (Max. Sample: 1) 350 (Rs. 350 For Cu grid)
HRTEM + EDS	Rs. 3200 (Per Sample) Other Details (Max. Sample: 3) 350 (Rs. 350 For Cu grid)	Rs. 1750 (Per Sample) Other Details (Max. Sample: 3) 350 (Rs. 350 For Cu grid)	Rs. 600 (Per Sample) Other Details (Max. Sample: 3) 350 (Rs. 350 For Cu grid)
HRTEM + EDS/Mapping	Rs. 3500 (Per Sample) Other Details (Max. Sample: 2) 350 (Rs. 350 For Cu grid)	Rs. 2000 (Per Sample) Other Details (Max. Sample: 2) 350 (Rs. 350 For Cu grid)	Rs. 800 (Per Sample) Other Details (Max. Sample: 2) 350 (Rs. 350 For Cu grid)

Universal Testing Machine (UTM)

Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Tensile (Upto 30KN)	Rs. 1000 (Per Sample) Other Details (Max. Sample: 3)	Rs. 500 (Per Sample) Other Details (Max. Sample: 3)	Rs. 200 (Per Sample) Other Details (Max. Sample: 3)
Compression (Upto 10KN)	Rs. 1000 (Per Sample) Other Details (Max. Sample: 3)	Rs. 500 (Per Sample) Other Details (Max. Sample: 3)	Rs. 200 (Per Sample) Other Details (Max. Sample: 3)
Flexural (Upto 5KN)	Rs. 1000 (Per Sample) Other Details (Max. Sample: 3)	Rs. 500 (Per Sample) Other Details (Max. Sample: 3)	Rs. 200 (Per Sample) Other Details (Max. Sample: 3)

UV-VIS NIR Spectrometer			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Reflectance Mode	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)	Rs. 100 (Per Sample) Other Details (Max. Sample: 5)	Rs. 50 (Per Sample) Other Details (Max. Sample: 5)
Absorbance Mode	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)	Rs. 100 (Per Sample) Other Details (Max. Sample: 5)	Rs. 50 (Per Sample) Other Details (Max. Sample: 5)

Transmittance Mode	Rs. 300 (Per Sample) Other Details (Max. Sample: 5)	Rs. 100 (Per Sample) Other Details (Max. Sample: 5)	Rs. 50 (Per Sample) Other Details (Max. Sample: 5)
--------------------	---	---	--

X-Ray Diffraction (PXRD)			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Powder/Bulk XRD	Rs. 800 (Per Sample) Other Details (Max. Sample: 2)	Rs. 500 (Per Sample) Other Details (Max. Sample: 2)	Rs. 300 (Per Sample) Other Details (Max. Sample: 2)
GI XRD (Thin Film)	Rs. 1200 (Per Sample) Other Details (Max. Sample: 2)	Rs. 600 (Per Sample) Other Details (Max. Sample: 2)	Rs. 350 (Per Sample) Other Details (Max. Sample: 2)

X-Ray Photoelectron Spectroscopy (XPS)			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Surface survey & C 1s + 4 Elements Short scan	Rs. 3000 (Per Sample) Other Details (Max. Sample: 2) 400 (Rs. 400 for extra per element HR scan)	Rs. 2000 (Per Sample) Other Details (Max. Sample: 2) 200 (Rs. 200 for extra per element HR scan)	Rs. 1000 (Per Sample) Other Details (Max. Sample: 2) 100 (Rs. 100 for extra per element HR scan)

AES	Rs. 2000 (Per Sample) Other Details (Max. Sample: 5) 400 (Rs. 400 for extra per element HR scan)	Rs. 1500 (Per Sample) Other Details (Max. Sample: 5) 200 (Rs. 200 for extra per element HR scan)	Rs. 600 (Per Sample) Other Details (Max. Sample: 5) 100 (Rs. 100 for extra per element HR scan)
UPS	Rs. 5500 (Per Sample) Other Details (Max. Sample: 2)	Rs. 3000 (Per Sample) Other Details (Max. Sample: 2)	Rs. 1500 (Per Sample) Other Details (Max. Sample: 2)
Depth Profile (Max 06 hrs/sample)	Rs. 5500 (Per Sample) Other Details (Max. Sample: 2)	Rs. 3000 (Per Sample) Other Details (Max. Sample: 2)	Rs. 1500 (Per Sample) Other Details (Max. Sample: 2)

Zeta Potential & Nano Particle Sizer (DLS-Zeta)			
Testing Name	Industrial	Academic Outside MNIT	Academic Inside MNIT
Zeta Potential (- 100 mV to + 100 mV)	Rs. 500 (Per Sample) Other Details (Max. Sample: 6)	Rs. 175 (Per Sample) Other Details (Max. Sample: 6)	Rs. 110 (Per Sample) Other Details (Max. Sample: 6)
Particle Size (0.3nm to 06 micrometer)	Rs. 500 (Per Sample) Other Details (Max. Sample: 6)	Rs. 175 (Per Sample) Other Details (Max. Sample: 6)	Rs. 110 (Per Sample) Other Details (Max. Sample: 6)

Source: http://mrc.mnit.ac.in/Mnit_mrc/Facilities_Charges