

Class 10000 Clean Room
Materials and Devices Laboratory for Nanoelectronics (MDLN)
Department of Electronics, School of Physical Sciences,
Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalgaon

List of paid services to be provided (details about the user charges):

Clean Room Entry Charges:

Rs. 100/- per person per entry (KBCNMU, Jalgaon)

Rs. 400/- per person per entry (External Academics)

Rs. 700/- per person per entry (Industry)

S. N.	Facility	Details of coating materials and measurement	Sample type	Charges per Hour (Rs.)		
				KBC NMU	External Academic (Extra GST 18%)*	Industry (Extra GST 18%)*
1	Plasma Enhanced Atomic Layer Deposition System (PEALD)	La ₂ O ₃ , Al ₂ O ₃ , ZrO ₂ , HfO ₂ , TiO ₂ etc. (Per run+ Extra Precursor fees)	Semiconductor Wafers	400	600	800
2	Thermal Evaporation	Metals: Cr, Al, Ag, Au	Thin substrate, Wafer	250	700	1400
3	Rapid Thermal Annealing (RTA)	Annealing by Rapid heating (Per run)	Semiconductor Wafer	300	500	1000
4	Spin coating (per sample upto 2 x 2cm)	2 stage spin coater upto 7000 rpm	Any substrate	100	300	600
5	Semiconductor Characterization System and DC Probe Station	I-V, C-V at room temp measurements	Sample with metal contacts	200 per sample	700 per sample	1000 per sample
6	Ellipsometer (per sample)	Film thickness, RI	Film (Reflecting surface)	250	700	1400
7	UV Vis (per sample)	Optical properties	Film	150	400	1200
8	FTIR (per sample)	Elemental properties	Si /Opaq substrate	250	700	1800
9	Contact Angle Measurement (per sample)	Hydrophilicity/ Hydrophobicity	Inorganic / organic wafers	300	500	1000
10	Plasma treatment (For 4 samples upto 2cm x 2cm)	O ₂ , N ₂ , Ar		600	800	1400
N.B. : Expert talk and services charges extra						

For more details Contact:

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