

Name of Department Department of Physics

Name of Instrument	Model & Make	Tests to be performed	Amount (INR)		Under collaboration	Deptt. Contact No.
			Internal	External		
G.M. Counter with STX Software	Indosaw, Ambala cantt.	To find the measurement of	100	300	200	
Gamma Ray Spectrometer and M.C.A.	Nucleonics, Hydrabad	To find the measurement of radioactivity	100	300	200	
Impedance analyzer with furnace Frequency range: 20Hz to 10MHz Temperature range RT to 500°C (for pellet/thin film samples)	Wayne Kera Electronics Pvt. Ltd. New Delhi.	To study dielectric properties with variation in frequency and temperature	300	900	600	
Spin Coating Unit	Apex Instruments Co. Pvt. Ltd., Kolkata	To synthesize thin film samples on different substrates via. sol-gel method	200	600	400	
Muffle Furnace with PID Control	Shri Sati Scientific Instruments, Ambala Cantt.	For annealing/sintering process controlled by a program during sample synthesis	200	600	400	
D.C. Polling Unit with Software	Marine India green Apartment, New Delhi	For poling pellet samples before PE loop tracing	200	600	400	8725072490
Amplifier with Polarization measurement with software		To amplify input signal	200	600	400	
P.E. Loop Tracer	Marine India green Apartment, New Delhi	To trace ferroelectric PE loop for pellet samples	200	600	400	
VI Characteristic Measurement Device (Agmetal)	Agmatel India Pvt. Ltd. Banglore	To study I-V characteristics of sample materials	200	600	400	
Automatic Sputter Coater	Beeta Tech. India Dwarka	To deposit electrode materials on sample materials to study their electrical properties	200	600	400	
Probe Station	Marine India green Apartment, New Delhi	To be used with Sawyer-Tower circuit assembly for ferroelectric PE loop tracing of thin film samples	200	600	400	
DTPS / DRPS Badge Holder & DTPS / DRPS Wire Mesh Badge Holder		Radon/ thoron Progeny Concentration Measurement	100	300	200	
PIN HOLE based Cup Dosimeter	Aquatek Pvt, Ltd 2017	Radon/ thoron gas Concentration Measurement	100	300	200	8725072490
Radon Thoron Monitor With Accessories (Smart RnDuo)		Radon gas measurement in air and water. Radon/Thoron Exhalation rates in soil	200	600	400	
PM-10 Sampler	APM460 BL, Envirotech.	To find the mass concentration of coarse particulate matter	100	300	200	7589091005
PM-2.5 Sampler	APM550 Mini, Envirotech.	To find the mass concentration of fine particulate matter	100	300	200	7589091005
Aerosol Spectrometer	11A model, Alpha tech.	To find the number and mass concentration of aerosols	300	900	600	9781601059
Digital Multimeter AT 220 V	Keithley, 2000 Multimeter	To measure AC/DC, voltage, current, resistance etc.	100	300	200	7986595372
Electromagnet & Power Supply (2 Tesla)	Industrial Electronics, Jamshedpur	To produce magnetic field upto 2 Tesla.	200	600	400	