CONSULTANCY CHARGES FOR NANOMATERIALS SYNTHESIS, SAMPLE CHARACTERISATION AND SKILL BASED TRAINING

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Part A : Synthesis and Processing of bulk and Nanomaterials

Synthesis of Nanomaterials (oxides, ceramics and composites)	CONCESSIONAL CHARGES		
	Students and Scholars	Scientists and Faculties from other institutions	Industry
	Amount in Indian Rs.	Amount in Indian Rs.	Amount in Rs.
Sol-gel synthesis (for one sample)	500	600	750
Hydro-thermal Synthesis (for one sample)	500	600	750
Co-precipitation method (for one sample)	500	600	750
Green synthesis of nanomaterials (for one sample)	500	600	750
Materials Processing: Annealing of oxide up to 1200 K for 6 h	300	400	600
Materials Processing: Temperature Quenching up to 1200 K (in air)	400	500	700
Oxide layer deposition by spin coating	300	400	600

Part B : Characterisation Facilities

Characterisation Type		CONCESSIONAL CHARGES		
		Students and Scholars	Scientists and Faculties from other institutions	Industry
		Amount in Indian Rs.	Amount in Indian Rs.	Amount in Rs.
UV-Visible Spectrom-eter (2600, Shimadzu)	Liquid samples - % of absorption / Transmission	200	300	500
	Liquid samples - Photometric method – concentration of unknown samples	200	300	500

Characterisation Type		CONCESSIONAL CHARGES		
		Students and Scholars	Scientists and Faculties from other institutions	Industry
		Amount in Indian Rs.	Amount in Indian Rs.	Amount in Rs.
Fourier Transform Infra-red spectrometer FTIR	Conventional method (solid / liquid samples)	300	400	600
	ATR mode (thin films/ solid/liquid samples)	300	400	600
Scanning probe Microscopy Atomic Force Microscope (AFM) – Topographic images on a planar polished surfaces		1800	2000	2500
Electro chemical Workstation	Potentiostat measurements CV, I vs E measurements	200	300	400
	Galvanostat measurements V vs Time	200	300	400
	Impedance measurements	200	300	400

Part C : Skill based Training (Tutorials and Lab work) - Participation and Merit Certificates will be issued by the authorities)

	Training Scheme	Students and Scholars	Scientists and Faculties from other institutions	Industry
Synthesis of Nanomaterials by chemical methods and materials processing (for one week – Three working days)	Batch 01 : In the month of May	750	1000	1200
	Batch 02 : In the month of December	750	1000	1200
Characterisation of Nanomaterials (Three working Days)	UV-Vis Spectroscopy	1000	1200	1500
	Fourier Transform Infrared Spectroscopy (FTIR)			
	Scanning Probe Microscopy – Atomic Force Microscope)			
Characterisation of solid surfaces – (Two working days)	Electrochemistry – principles and practice	500	750	1000

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