

## CONSULTANCY CHARGES FOR SYNTHESIS & CHARACTERIZATION

CHARACTERIZATION TYPE	CONCESSIONAL CHARGES									
	Full time Ph.D/ U.G/ P.G Students & Sathyabama University Employee			Scientists & Faculties			Industry			
		Service Tax (15.00%)	Total		Service Tax (15.00%)	Total (Rs.)		Service Tax (15.00%)	Total	
<b>FESEM (Carl Zeiss SUPRA-55) (5 Images)</b>	1478	221.7	1700	1800	270	2070	3000	450	3450	
<b>FESEM with EDAX (5 Images + 2 EDAX Spectra)</b>	1826	273.9	2100	2000	300	2300	3600	540	4140	
<b>EDAX</b>	1304	195.6	1500	1500	225	1725	2000	300	2300	
<b>FESEM with EDAX and Co-Relative Microscopy</b>	2200	330	2530	2500	375	2875	4400	660	5060	
<b>AFM (NT-MDT)</b>	2000	300	2300	2200	330	2530	4000	600	4600	
<b>XRD (Rigaku)</b>	748	112.2	860	900	135	1035	1500	225	1725	
<b>Epifluorescence Microscopy (Nikon) (3 Images)</b>	450	67.5	520	500	75	575	1000	150	1150	
<b>Optical Microscopy (Inverted &amp; Upright) (Olympus) (4 Images)</b>	250	37.5	290	300	45	345	600	90	690	
<b>Polishing machine/ Sample</b>	300	45	345	300	45	345	300	45	345	
<b>Cutting machine/ Sample</b>	200	30	230	200	30	230	200	30	230	
<b>Ball mill (Spex Dual Mixer)/ hr.</b>	600	90	690	600	90	690	600	90	690	
<b>Laser PVD-PLD Unit/ coating</b>	3000	450	3450	3000	450	3450	3000	450	3450	
<b>E-beam Unit/ coating</b>	2000	300	2300	2000	300	2300	2000	300	2300	
<b>RF sputtering/ coating</b>	2000	300	2300	2000	300	2300	2000	300	2300	
<b>DC sputtering/ coating</b>	1000	150	1150	1000	150	1150	1000	150	1150	
<b>Thermal Evaporation/ coating</b>	800	120	920	800	120	920	800	120	920	
<b>High Temp. Furnace (Box Furnace – From 1000 to 1600°C)/ hr.</b>	750	112.5	865	1200	180	1380	1200	180	1380	
<b>UV-Visible Spectroscopy</b>	<b>% T &amp; Abs.</b>	500	75	575	700	105	805	1200	180	1380
	<b>DRS</b>	800	120	920	1000	150	1150	1500	225	1725
	<b>Specular Reflectance</b>	800	120	920	1000	150	1150	1500	225	1725
<b>Pellet press/ Pellet (25mm &amp; 50mm Dia.)</b>	100	15	115	150	22.5	175	200	30	230	
<b>Thickness Measurement (Stylus Profilometer Dektak XT)</b>	<b>Thickness</b>	300	45	345	500	75	575	700	105	805
	<b>Thickness+ Stress</b>	400	60	460	600	90	690	800	120	920
	<b>Thickness + Stress + Roughness</b>	500	75	575	700	105	805	900	135	1035
<b>General Corrosion</b>	<b>Impedance High Temperature (up to 1000°C)</b>	750	112.5	865	850	127.5	977	1000	150	1150
	<b>Room Temperature (7 MHz – 10 μHz)</b>	400	60	460	500	75	575	750	112.5	865
	<b>Linear Polarization</b>	500	75	575	600	90	690	750	112.5	865
<b>Cyclic Voltametry (Charges applicable only for measurements (Size: 20 mm×10 mm×1-3mm))</b>	<b>C-V measurements</b>	500	75	575	600	90	690	750	112.5	865
	<b>Charge-Discharge measurements</b>	500	75	575	600	90	690	750	112.5	865
	<b>Life cycle</b>	500	75	575	600	90	690	750	112.5	865
<b>Analysis of pellets of 10-15 mm diameter and 2-3 mm thickness (Frequency: 7 MHz – 10 μHz)</b>										
<b>Hall measurements at room temperature</b>	Resistivity, Carrier concentration, Hall mobility, Hall coefficient	500	75	575	600	90	690	750	112.5	865
<b>Hall Measurements at different temperature</b>	Resistivity, Carrier concentration, Hall mobility, Hall coefficient	750	112.5	865	900	135	1035	1250	187.5	1437
<b>(Specimen size: 10mm ×10mm ×2mm thickness) Measurements up to 500 °C</b>										
<b>Concrete carbonation test</b>	100x100x100mm cubical concrete. Supply of CO2: 2% for 6 day , Chamber capacity maximum 15 specimens	2200	330	2530	2500	375	2875	3000	450	3450
<b>Rapid Chloride permeability test (RCPT)</b>	100 x50mm cylindrical concrete specimens Number of specimens - 4	2000	300	2300	2500	375	2875	3000	450	3450
<b>Concrete cutting</b>	100X200mm cylindrical and 100x100x100mm cubical concrete	200	30	230	250	38	288	300	45	345

**Service Tax+ Educational cess@15.00% will be collected along with concessional charges**