

## 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 (14.00%)	Total		Service Tax (14.00%)	Total (Rs.)		Service Tax (14.00%)	Total	
<b>FESEM (Carl Zeiss SUPRA-55) (5 Images)</b>	1350	189	1540	1500	210	1710	3000	420	3420	
<b>FESEM with EDAX (5 Images + 2 EDAX Spectra)</b>	1620	226.8	1850	1800	252	2055	3600	504	4105	
<b>EDAX</b>	1000	140	1140	1300	182	1485	2000	280	2280	
<b>FESEM with EDAX and Co-Relative Microscopy</b>	1980	277.2	2260	2200	308	2510	4400	616	5020	
<b>AFM (NT-MDT)</b>	1800	252	2055	2000	280	2280	4000	560	4560	
<b>XRD (Rigaku)</b>	675	94.5	770	750	105	855	1500	210	1710	
<b>Epifluorescence Microscopy (Nikon) (3 Images)</b>	450	63	515	500	70	570	1000	140	1140	
<b>Optical Microscopy (Inverted &amp; Upright) (Olympus) (4 Images)</b>	250	35	285	300	42	345	600	84	685	
<b>Polishing machine/ Sample</b>	300	42	345	300	42	345	300	42	345	
<b>Cutting machine/ Sample</b>	200	28	230	200	28	230	200	28	230	
<b>Ball mill (Spex Dual Mixer)/ hr.</b>	600	84	685	600	84	685	600	84	685	
<b>Laser PVD-PLD Unit/ coating</b>	3000	420	3420	3000	420	3420	3000	420	3420	
<b>E-beam Unit/ coating</b>	2000	280	2280	2000	280	2280	2000	280	2280	
<b>RF sputtering/ coating</b>	2000	280	2280	2000	280	2280	2000	280	2280	
<b>DC sputtering/ coating</b>	1000	140	1140	1000	140	1140	1000	140	1140	
<b>Thermal Evaporation/ coating</b>	800	112	915	800	112	915	800	112	915	
<b>High Temp. Furnace (Box Furnace – From 1000 to 1600°C)/ hr.</b>	750	105	855	1200	168	1370	1200	168	1370	
<b>UV-Visible Spectroscopy</b>	<b>% T &amp; Abs.</b>	500	70	570	700	98	800	1200	168	1370
	<b>DRS</b>	800	112	915	1000	140	1140	1500	210	1710
	<b>Specular Reflectance</b>	800	112	915	1000	140	1140	1500	210	1710
<b>Pellet press/ Pellet (25mm &amp; 50mm Dia.)</b>	100	14	115	150	21	175	200	28	230	
<b>Thickness Measurement (Stylus Profilometer Dektak XT)</b>	<b>Thickness</b>	300	42	345	500	70	570	700	98	800
	<b>Thickness+ Stress</b>	400	56	460	600	84	685	800	112	915
	<b>Thickness + Stress + Roughness</b>	500	70	570	700	98	800	900	126	1030
<b>General Corrosion</b>	<b>Impedance (7 MHz – 10 μHz)</b>	2000	280	2280	2500	350	2850	3000	420	3420
	<b>Linear Polarization</b>	2000	280	2280	2500	350	2850	3000	420	3420
<b>Cyclic Voltametry (Charges applicable only for measurements (Size: 20 mm×10 mm×1-3mm)</b>	<b>C-V measurements</b>	2000	280	2280	2500	350	2850	3000	420	3420
	<b>Charge-Discharge measurements</b>	2000	280	2280	2500	350	2850	3000	420	3420
	<b>Life cycle</b>	2000	280	2280	2500	350	2850	3000	420	3420
<b>AC impedance analysis at High temperature (up to 1000 °C) of oxide pellets</b>	5000	700	5700	5500	770	6270	6000	840	6840	
<b>Analysis of pellets of 10-15 mm diameter and 2-3 mm thickness (Frequency: 7 MHz – 10 μHz)</b>										
<b>Hall measurements</b>	Resistivity, Carrier concentration, Hall mobility, Hall coefficient	3000	420	3420	3500	490	3990	4000	560	4560
<b>(Hall Measurements at room temperature)</b>	Resistivity, Carrier concentration, Hall mobility, Hall coefficient	4000	560	4560	4500	630	5130	5000	700	5700
<b>(Specimen size: 10mm ×10mm ×2mm thickness) Measurements up to 500 °C</b>										

**Service Tax+ Educational cess@14.00% will be collected along with  
concessional charges**