

User/analysis charges for TEM/SEM/TG-DSC and other Instruments at CIC, Madurai Kamaraj University, Madurai-21, with effect from 15.02.2021.

| S. No. | Facility | Analysis Details | Internal (MKU) Users (Rs) | Educational Insttn. (**5% GST Extra) (Rs) | National R&D Labs (18% GST Extra) (Rs) | Industries (18% GST Extra) (Rs) |
|--------|---|--|---------------------------|---|--|---------------------------------|
| 1 | High Resolution Transmission Electron Microscope (HR-TEM) | TEM Image | 800 | 1600 | 2400 | 4500 |
| | | HR-TEM Image | 1200 | 2400 | 3500 | 7000 |
| | | SAED Pattern | 300 | 500 | 600 | 1200 |
| | | * The above rates are per sample (or) 90 min whichever is greater. The time includes specimen loading, vacuuming and analysis. Additional charge will be applicable if more than 90 min per sample is used. * The users shall provide their own TEM grid & prepare the specimen themselves. * Cu grid (carbon coated) & specimen preparation - Rs.400/- per sample (if needed). | | | | |
| 2 | Scanning Electron Microscope (SEM) | SEM Image | 350 | 500 | 800 | 1400 |
| | | EDAX | 150 | 250 | 300 | 500 |
| | | * Rates are per sample (or) 1 h (includes specimen loading, vacuuming and analysis) whichever is higher. *SEM rates Rs.250/- for users from School of Chemistry, MKU. | | | | |
| 3 | TG-DSC | 50 to 700 °C | 400 | 800 | 1000 | 1500 |
| | | 50 to 1300 °C | 600 | 1200 | 1500 | 2000 |
| | | Charges are for 20 °C/min heating rate; *TG/DSC rates - Rs.300/- (upto 700 °C) & Rs. 450/- (> 700 °C) applicable for users from School of Chemistry, MKU. For 10 °C/min heating rate, 1.5 times of above charges applicable. | | | | |
| 4 | UV-vis Spectrophotometer | Solution* | 100 | 100 | 200 | 300 |
| | | DRS | 200 | 300 | 400 | 600 |
| | | *For multiple measurements Rs. 200 per hour. | | | | |
| 5 | Spectrofluorometer | PL Spectra | 150 | 250 | 400 | 500 |
| | | *For multiple measurements Rs. 500 per hour. | | | | |
| 6 | Solar Simulator & IPCE system | Solar Cell I-V Measurements | 150 | 300 | 500 | 600 |
| | | Solar Cell IPCE Measurements | 500 | 1000 | 1500 | 2000 |
| 7 | VASP/Gaussian/Schrodinger | Each 6 hour slot | 100 | 200 | Not permitted | |

Note: 1. For internal users, a maximum of 3 Samples per Faculty per month in TEM/HR-TEM and 4 Samples per Faculty per month in SEM/EDAX will be allowed.

2. The internal/external user shall acknowledge the CIC facility usage in the publications / reports/thesis.

3. ****For educational Institutions (External), 5 % GST is applicable if they provide valid DSIR Cert. copy of their Institution and certificate stating the analysis is for research purpose, otherwise 18% GST applicable.**

4. **The amount shall be paid to the A/C No. 36562818781 (UPE A/C No. IV), State Bank of India, MK University Branch; IFSC: SBIN0002235**