

Indian Institute of Technology Ropar

SCANNING ELECTRON MICROSCOPE LABORATORY

CENTRAL RESEARCH FACILITY

{Please read the Information given overleaf before filling up this form}

Name of User

Name of the supervisor

Department

Institute

Affiliation (Please Tick)

- IIT Ropar
- Educational Institute/Govt. R&D Lab
- Industry

Total Number of samples to be examined/ analyzed _____

Nature of Samples:-

Metallic _____ Ceramics _____ Polymer/Rubber _____ Semiconductor _____

Biological Samples _____ If others please specify _____

Weather conductive coating is required _____

I wish to study samples using, Secondary Electron Detector: _____ Back Scattered Electron Detector: _____

I need to analyse samples by the EDS system. I am interested in:-

Qualitative microanalysis: _____ X-Ray Elemental Mapping: _____ Line Scan: _____ Area Scan: _____

Please allot me _____ slots (duration of each slot is 60 minutes) for the purposed work.

The estimated charges for the work are:- _____ Service tax@ _____% _____ Total Amount: _____

(For Office use Only)

Signature of Research Supervisor

Signature of the User

Please complete the work

Officer in-charge XRD Laboratory

Please transfer an amount of Rs _____ from the operating grant of the _____ department/centre to CRF account

Dy. Registrar (F&A)

HEAD OF DEPARTMENT

(with seal)

Please transfer an amount of Rs _____ from the following sponsored/consultancy project fund to CRF account:

Title of the project: _____

File No. _____ Department: _____

Certified that the funds are available for the same under appropriate head of the project

Dy. Registrar (SRIC)

PRINCIPAL INVESTIGATOR

(with seal)

Information for Users

The charges for the SEM&EDS X-Ray Micro analysis System are as under:

- Charges for Powder SEM only
 - For internal users (IIT Ropar) Rs. 25/-per hour
 - For users from Educational & Govt. R&D Labs Rs. 1000/-per hour
 - For users from Industry Rs. 3000/-per hour
- Charges for SEM/EDS analysis
 - For internal users (IIT Ropar) Rs. 100/-per hour
 - For users from Educational & Govt. R&D Labs Rs. 2000/-per hour
 - For users from Industry Rs. 4000/-per hour
 - Conductive coating Rs. 200/- per sample
- Work related to consultancy will be treated as an external work. Provision may please be made accordingly while estimating consultancy fee.
- External users have to pay in advance by Demand draft drawn in favor of "Registrar, Indian Institute of Technology Ropar" .
- Departments/Centers organizing short courses may book time in advance for visits /laboratory classes on payment of charges at par with the internal users.
- Departments/Centers may book time in advance for conducting regular UG/PG laboratory classes in advance for conducting regular laboratory classes if the Scanning Electron Microscopy forms a part of the laboratory course curriculum. No payment need be made for such purposes. Concerned faculty members should contact the faculty in-charge, SEM laboratory for these purposes.
- **Head of the Departments/Centers/Principal Investigators of the sponsored/Consultancy Projects are required to sign the form before the work can be taken up.**
- The charges will be transferred from the operating grant of the Department/Centers or from the Sponsored / Consultancy Project funds as the case may be to the CRF Account to maintain by the accounts section and SRIC respectively.
- Staff attached to sem lab will help advice the users in sample preparation.
- The users are not allowed to use the machine at their own under normal circumstances.
- A user can book maximum 4slots at a time in a week.