



राष्ट्रीय प्रौद्योगिकी संस्थान रायपुर

NATIONAL INSTITUTE OF TECHNOLOGY, RAIPUR

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Department of Metallurgical Engineering, NIT Raipur

Scanning Electron Microscopy Facility

SEM facility charge details are as follows:

The students/research scholar of Institute will not be charged any testing fees for SEM and EDS analysis of their samples. Internal users are only allowed 05 Micrograph per sample from SEM at a time and 01 EDS analysis per sample

However, testing/analysis charges for students of other academic institution, funded Projects of institute and industries are as follows.

S.No.	Service Description (Operational features)	Price (INR) For Students of other academic Institution / Funded Projects of Institute/ R&D Laboratories	Price (INR) For Industries
1.	High vacuum mode: Micrograph from SEM (max 6)	750 @ sample	2000 @ sample
2.	Variable Pressure (low Vacuum for Biological Sample):	1000@sample	3000@Sample
3.	Charges for EDX only (Per sample -one spectrum)	500 @ sample	1000 @ sample
4.	Per additional spectra of EDX	50@sample	100@sample
5.	Gold/carbon coating	200 @ sample	500 @ sample

Terms and conditions (for Testing/consultancy):

- 1) Results will be only given in CD.
- 2) Some sample types may require lengthy preparation and/or clean-up procedures. In such case, extra sample preparation charge will be applied.

Rush orders: We offer rush order services within 2-4 days or less from the day of the receipt of samples but additional 20% extra charges will be applied.

Practical Information's

- The external user who would like to avail the facility must pay in advance by Demand draft drawn in favor of "Director, National Institute of Technology Raipur".
- Work related to consultancy will be treated as external work. Provision may please be made accordingly while estimating consultancy fee



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- The sample providers in any case are not allowed to use the machine at their own under normal circumstances until special exceptions.
- In case of samples, which needs special precautions (contaminations, special handling procedures etc.), information must of provided by the sample provider to make sure the SEM operator can take account the measures.
- Departments/Centers may book time in advance for conducting regular UG/PG laboratory classes in advance for conducting regular laboratory classes if the Seanning electron Microscopy a part of the laboratory course curriculum. No payment need be made for such purposes. Concerned faculty members should contact the faculty in-charge, XRD laboratory for these purposes.
- Departments/Centers organizing short courses may book time in advance for visits /laboratory classes on payment of charges at par with the internal users.
- 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.