

TEM Sample Preparation Central Facility

Registration: To avail the TEM Sample Preparation Facility, located on the ground floor of the Department of Metallurgical Engineering and Materials Science, IIT Bombay, registration is absolutely essential.

Registration Process:

I) Internal Users :

User within IIT Bombay can apply from <http://drona.ircc.iitb.ac.in>. The form should be completely filled up and all the sample details must be provided in the requisition form. Users are encouraged to be present at the time of analysis by taking prior appointment.

II) External Users:

Registration Link:

External Users can register through above link. After registration you will get appointment for the same. Any query related to the sample preparation should be emailed to temsampleprep@iitb.ac.in

Academic Institutions:

You may come in-person or send your samples along with a letter from the Head / Guide on your College/Institute Original Letter

Head for registration stating that the analysis is for research purpose to qualify for academic concession. The letter should be addressed to Prof-In-Charge, Prof. Amartya Mukhopadhyay, TEM Sample Preparation Laboratory, Department of Metallurgical Engineering and Materials Science, IIT Bombay, Powai, Mumbai-400076

Industry & Non- Government Agencies:

You may come in-person or send your samples along with a letter for registration. The letter should be addressed to Prof-In-Charge, Prof. Amartya Mukhopadhyay, TEM Sample Preparation Laboratory, Department of Metallurgical Engineering and Materials Science, IIT Bombay, Powai, Mumbai-400076

National R & D Lab's :

You may come in-person or send your samples along with a letter from your Institute Original Letter Head for registration stating that the analysis is for research purpose. The letter should be addressed to Prof-In-Charge, Prof. Amartya Mukhopadhyay, TEM Sample Preparation Laboratory, Department of Metallurgical Engineering and Materials Science, IIT Bombay, Powai, Mumbai-400076

You are requested to mention in your request letter that "We agree to acknowledge the TEM Sample Preparation Facility of IIT Bombay when the data from the samples made in the TEM Sample Preparation Facility are used in our papers/reports/thesis". List of such acknowledgements with appropriate reference will be communicated to TEM Sample Preparation Facility vide email to temsampleprep@iitb.ac.in.

Kindly send the publication reference (Journal name/volume number/names of the authors/date of issue of the publication etc) to us as the continuing functioning of the lab needs this feedback.

Charges for External Users

(Please add service charges at prevailing rates)

Experiment	Industry & Other Non Gov. Agencies Rs.	Academic Institutes Rs.	National R&D Labs. Rs.
CRYO FEG-SEM	4000/- per sample	500/- per sample	1500/- per sample

Payment should be made in advance by a Demand Draft (DD) drawn in favour of "The Registrar, IIT Bombay".

The same should be sent to the Prof-In-Charge, Prof. Amartya Mukhopadhyay at the above mentioned address.

Samples are to be brought along on the date of the appointment. The user needs to stay in the laboratory during the entire duration of the sample preparation.

It needs to be noted here that TEM Sample Preparation is a destructive method of sample preparation, which involves cutting, grinding, polishing, thinning, some of the steps being also done manually. The users should understand that because of the nature of this sample preparation, even though done extremely carefully, at each step, there is a finite probability of causing mechanical damage to the sample, which gets accrued if the sample under consideration is a brittle material.

o GENERAL INSTRUCTIONS TO THE USERS

The samples are made only for research / development purposes. These cannot be used as certificates in legal disputes.

Samples will not be prepared till payment is received.

Maximum of 2 samples at a time.

The users should know the nature (hardness, strength, toughness, interfacial bonding for cross-sectional samples etc.) and dimensions of the sample before submitting it.

Date: 24-09-2014