CENTRAL RESEARCH FACILITY

Oct 23, 2026

TESTING CHARGES FOR ANALYTICAL INSTRUMENTS

Sub: With reference to the approval from **Dean (R&C)/1943 dated Oct 22, 2026 & MANIT/DPS/3545 dated Oct 22, 2026** for the equipments given below, the testing charges per sample are as under:

Equipment		Internal (INR)	Academic/Govt R&D Institutions or labs (INR)	Industry (INR)
FESEM (including C/Au+Pd coating)		520	1300	4800
FESEM + EDS (including C/Au+Pd coating)		850	2000	6000
GC-MS (Liquid Sample)		475	2300	5800
BET Surface Area		490	1100	2800
Chemisorption (per sample per analysis)		470	1100	3100
Confocal Raman Spectrometer	**Raman Spectra**	350	900	3000
	PL, Mapping, Raman Spectra	655	2500	8000
Au+Pd/C Coating (60 sec fixed duration)		470	1200	3000

Note: In addition to the above testing charges, GST @ 18% will be charged extra.

Testing guidelines at Central Research Facility (CRF), MANIT

These guidelines are issued to facilitate smooth functioning of testing and measurement activities at CRF. They are indicative in nature and subject to institutional rules, availability of resources, and administrative directions issued from time to time.

Proposed guidelines:

a) The Central Research Facility (CRF) functions as a common infrastructure facility and provides facilitation to the academic & research fraternity within the institute as well outside the institute i.e. Industries/ Research/ Academic organizations.

b) The role of CRF staff is limited to facilitating access to equipments and ensuring safe operation & basic maintenance.

c) **Instrument booking & scheduling:**

For Internal Users:

1) User shall submit the duly filled CRF testing form equipment wise respectively as per his/her testing requirement along with the fee receipt at the time of booking for availing CRF facilities & scheduling shall be carried out based on instrument availability, operational feasibility, and ongoing institutional requirements.

2) Payment of applicable charges, as notified by the institute from time to time, shall be made in advance. Confirmation of slot booking is subject to submission of testing form along with the fee receipt.

For External users:

1) User shall submit the requesting letter addressed to "**The Coordinator, CRF, and MANIT Bhopal"** duly sealed and signed by his/her supervisor & HOD/HOC on the letter head, testing form respective to the usage of the equipment (duly filled with seal & sign), fee receipt & ID-card issued by the institute/organization.

2) Payment of applicable charges, as notified by the institute on CRF website from time to time, shall be made in advance. Confirmation of slot booking is subject to submission of testing form along with the fee receipt. Soft copy of documents shall be shared in advance for **slot confirmation** & hard copies of documents shall either be **brought at the time of testing** or **sent by post/courier along with the samples**.

d) Users are requested to collect their samples immediately after testing. CRF shall not be held responsible for any loss, damage or deterioration of samples if not collected immediately after the experiment.

e) Users are solely responsible for sample preparation. Basic sample preparation guidance can be taken from CRF staff as per the requirement of the equipment for testing. Details of the basic safety related measures & sample preparation is also available on CRF website in the list of facilities section.

f) CRF shall not be obligated to repeat any characterization under a single payment. Re-measurement will be carried out only if the instrument malfunctions or develops technical issues, as confirmed by CRF staff.

g) The user must be physically present during the experiment.

h) Food, beverages, and eatables are strictly prohibited inside CRF lab.

i) Users are responsible for: Immediate collection of data after completion of measurements, Safe backup and long-term storage of their data.

j) CRF will not be liable for: Data loss after completion of measurements, Data interpretation, Errors arising from incorrect sample information or preparation.

k) All measurement data stored on CRF systems will be deleted after three (03) months from the date of measurement.

l) For FESEM characterization, a single booking slot shall accommodate either three samples or a total testing duration of two hours, whichever occurs first. Users are requested to discuss testing requirements with CRF personnel prior to making bookings and payments.

m) Rescheduling is allowed only with valid and justified reasons, subject to approval by the competent authority.

n) Payment made for one characterisation technique cannot be adjusted against another technique or equipment.

Acknowledgement and Publications

Users may acknowledge CRF MANIT Bhopal in: Journal publications, Conference presentations, Theses and reports

Suggested acknowledgement: "The authors acknowledge the Central Research Facility (CRF), MANIT Bhopal, for providing the measurement facilities." (One can mention here the specific name of the equipment also)

Contact Information

For queries related to testing, please contact:
Technical Officer / Operational expert CRF, MANIT Bhopal for the respective equipment
Email - office.crf@manit.ac.in prashast@manit.ac.in
Contact – 7983384018, 07554051066