

REQUISITION FORM FOR XPS MEASUREMENTS
Materials Research Centre, MNIT, Jaipur

No.: _____

Date of submission: _____

IMPORTANT NOTES:

- i. Samples in the form of powder or gel or those which can degas in ultra-high vacuum will strictly not be allowed. Sample(s) **should not contain radioactive isotopes.**
- ii. There will be a vacuum check of samples prior to loading inside the XPS chamber. The sample(s) must be handed over to the lab the previous evening for vacuum check.
- iii. The sample composition and how it is prepared must positively be mentioned in **section 2.**
- iv. A peer-reviewed reference mentioning XPS result(s) on similar sample(s) must also be provided for guidance.

1. User's Profile

Name of the User: _____ Tel. / Mob. No.: _____

Roll No. / EC: _____ Department / Centre: _____

Name of the Institute / College / Industry _____

2. Sample Details

Composition/Formula: _____ No. of Sample _____

Form (please tick):

Solid (bulk)

Pellet

Thin Film

Method of Preparation (in brief): _____

Reference (hard copy attached): Journal _____ Volume _____ Page _____

Any other detail: _____

3. Desired Options (please tick)

a. Surface cleaning by sputtering:

Yes

No

b. Mode:

Surface Survey(XPS)

Depth Profile

Maximum depth = _____ nm

AES

UPS

Charge Neutralizer

c. Element-specific Scan:

Yes

Elements: _____

No

d. Any specific feature expected? Please write.

Signature of the user _____

E-mail: _____

Name & Signature of the Supervisor (for Students/RS/Project Staff) _____

Bill/Receipt will be made against _____

Declaration by the user

1. I, Mr./Ms./Dr.being an internal user, understand that characterization facilities at MRC are extended to me at a highly subsidized rate and I hereby **confirm** that the samples being characterized **belong to only me/my student working only at MNIT, Jaipur**. The samples characterized are part of the project work titled/ERP No./brief details:
.....
.....
2. I, Mr./Ms./Dr.hereby confirm that I am fully aware of the **Rebate Policy of MRC** (5% rebate, details available on MNIT website), obtainable upon proper acknowledgement of MRC facilities in the published paper.
3. All Publication of research work, resulting out of the services taken from MRC must acknowledge MRC, MNITJ. I also abide by all the rules and regulations of the MRC/Institute.

Signature & Seal of the supervisor

To be filled up at the XPS Laboratory

Please allot time and complete the work.

In-Charge XPS Laboratory

Name of the Operator: _____

Vacuum check status: _____

Date of Measurement: _____

Signature of the Operator

N.B.: 1. Users are advised to submit a hard copy of the form with the reference in the XPS lab.

2. Please collect the sample and data (bring a CD) on the next working day after the measurement. The data and the samples cannot be retained in the lab after that.

[†]The user will be informed about the date and time of experiment via e-mail. He/she is expected to be present in the lab during the measurement.

Details of payment: Demand Draft Payable in favor of 'Registrar, MNIT Jaipur'.

*** Charge Neutralization : For Non -Conducting Sample
Any Other information if necessary**

Faculty Incharge

Head