

Requisition Form

Serial No. _____

Date: _____

**SCANNING PROBE MICROSCOPE (SPM) LABORATORY
CENTRAL RESEARCH FACILITY
INDIAN INSTITUTE OF TECHNOLOGY (ISM), DHANBAD – 826004**

[Please read the information given overleaf before filling up this form and put a tick (✓) in appropriate box.]

I wish to get (in words) number of samples (on the basis of one sample per slot) to be examined /analyzed by (i) AFM, (ii) STM, (iii) LFM, (iv) MFM, (v) EFM, (vi) Nanoindentation.

The nature of my sample(s) is:

(i) Hardness: Hard () [e.g. Metal, Ceramic, Semiconductor, IC, Wafer, Rock, Coal etc.] / Soft () [e.g. Polymer, Rubber, Biological specimen etc.] /Delicate () [e.g. Nanostructured thin films etc.]/others ()

(ii) Structural form: Bulk () / Sheet () / Film () / Nanostructured thin film () / others () ;

(iii) Expected height variation of surface roughness within an area of $90\text{ }\mu\text{m} \times 90\text{ }\mu\text{m}$: μm ;

(iv) Expected surface feature size: μm / nm.

(v) In nanoindentation experiment is the upper limit of required force within $260\text{ }\mu\text{N}$? Yes () /Unknown ()

(If 'Others' please elaborate)

Please allot me slot(s) for above number of sample(s).

The data obtained will only be used for academic / research / development purposes and will not be used for any legal dispute.

User's Name (block letter): Name of Supervisor:

Department /Centre Institution

Office/Laboratory Phone No. Cellphone No: Email:

Signature of HOD / HOC / Supervisor / PI / Prof.-in-Charge

Signature of the user

Details of analysis Charges:

The estimated charge for the work ₹ (In wards) has been deposited through †DD (Number) / †Cash payment in the IIT (ISM) Dhanbad Cash counter (Receipt No.) on (date) /

OR

For internal users only:

To be debited from (PDA/PDF/Project):

† Please provide the original DD / CC of cash receipt along with this form.

Signature of the User /Faculty /Supervisor /PI

The Operator

Please allot time and complete the work.

Signature of the System In-Charge

The above work has been done satisfactorily on (date) within number of slot and generated data have been delivered to me.

Signature of the Operator

Signature of User