# Four Dimensional X-ray Microscopy, IIT Bombay, Mumbai

## Sample Requisition Form

1. **Sample Name and ID No.**
   
   (Please provide a unique ID No. to each sample)

2. **Sample material**
   
   (chemistry and phases)

3. **Is the sample**
   
   solid/liquid/suspension/powder/etc.?
   
   (Liquid/suspension/powder samples should be provided in a x-ray transparent sealed bottle of approximate 10mm diameter and 40mm height)

4. **Is sample biological?**
   
   (biological samples should be provided in a x-ray transparent sealed bottle of approximate 10mm diameter and 40mm height)

5. **If sample is biological it would be tested only after approval by institute ethics committee**

6. **What is the size of the sample**
   
   (LxBxH in mm)?

7. **Tomographic details:**
   
   a) **What are the various phases present in the sample?**

   b) **Will the sample lead to x-ray absorption contrast? If not then what contrast mechanism is expected?**

   c) **What features/phases are to be imaged?**

   d) **What is the typical feature size?**

   e) **What is the typical volume fraction?**

   f) **What is the intended use of the tomography?**
      
      (This is to help the operator identify what to image)

   g) **What spatial resolution is required from the 3D tomography?**

   h) **Any other important information about the sample.**

13. **Special requirements, if any?**

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*Authorized Signatory*

(Date, place and stamp)
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Non-Dangerous Material Undertaking Form

I undertake that the provided sample (Sample Name ……………… and ID No. ………………) fulfills all the below conditions:

- is not biological toxin
- does not contain (whether dead or alive) bacteria, viruses, fungi, and parasites
- is not a part of animal testing
- is not (and cannot be) hazardous
- cannot contaminate equipment/holder
- is not radioactive
- is not poisonous and cannot become poisonous on exposure to heat/atmosphere/water/ x-rays (etc.)
- cannot cause exothermic reactions/evolve gases/liquids/etc. (including fire/explosion/etc.) on exposure to heat/atmosphere/water/ x-rays etc.

Authorized Signatory
(Date, place and stamp)

Please confirm the check list given below:

1. □ Demand Draft
2. □ Samples
3. □ External Hard drives
4. □ Sample Requisition Form
5. □ Non-Dangerous Material Undertaking Form