

**SINGLE CRYSTAL X-RAY DIFFRACTION LABORATORY  
CENTRAL RESEARCH FACILITY  
INDIAN INSTITUTE OF TECHNOLOGY (ISM) DHANBAD -826004**

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**Single Crystal XRD Request Form**

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

**SERVICE REQUESTED**

1. Unit cell determination ☐
2. Data collection at room temperature ☐
3. Data collection at liquid Nitrogen temperature ☐

**DESCRIPTION OF THE SAMPLE**

Sample Code:

Expected Structure:

Elements / Formula:

Solvent used:

User's Name (block letter): .....

Name of Supervisor/Guide: .....

Dept./Centre ..... Lab Phone No..... Cell No.....

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

Signature of the user

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**Details of analysis Charges:**

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

**OR**

To be debited from (**For internal users only: PDA/PDF/Project**): ... ..

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

Signature of the User /Faculty /Supervisor /PI

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Please assign sample number and complete the work.

Signature of the Laboratory In-Charge

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The above work has been done satisfactorily on ..... (Date) and generated data has been delivered to me.

Signature of the operator

signature of the user

## INFORMATION FOR USERS

The charges for the SCXRD analysis are given below

Measurement	IIT(ISM)	Academic Institutions*	National R&D Lab*	Industry*
Cell Parameters	Rs. 100/- per sample	Rs. 500/- per sample	Rs. 500/- per sample	Rs. 500/- per sample
Data collection at room temperature	Rs. 500/- per sample	Rs. 1500/- per sample	Rs. 8000/- per sample	Rs. 8000/- per sample
Data collection using liquid nitrogen	Rs. 1000/- per sample	Rs. 2500/- per sample	Rs. 10000/- per sample	Rs. 10000/- per sample

\*The charges are excluding GST and it may be calculated as per government rule. No GST is required for IIT(ISM) user.

### Booking Rules for SC-XRD analysis

- 1) All payment must be made prior to booking of the slot and true copy the payment slip [for deposit in IIT(ISM) cash counter in the head of CRF-SCXRD] or original DD [must be drawn in favor of Registrar, IIT(ISM)] must be provided with booking form.
- 2) Payment will not be refunded if the submitted samples are not suitable for diffraction.
- 3) All forms must be forwarded through the concerned HOD, HOC, PI, Guide or Prof.-in-charge etc. and to be submitted in the SC-XRD Laboratory.
- 4) Pure single crystals should be submitted for analysis. Liquid or powder samples will not be accepted.
- 5) Please send a CD and an envelope (with postage stamp) to get the full data of the measurement.