

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

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

Details of analysis Charges:

The estimated charge for the work ₹ (In words) has been deposited through †DD (Number) / †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**):

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

Signature of the User /Faculty /Supervisor /PI

Please assign sample number and complete the work.

Signature of the Laboratory In-Charge

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.