



# Indian Institute of Technology Ropar

X-RAY DIFFRACTION LABORATORY

CENTRAL RESEARCH FACILITY

{Please read the Information given overleaf before filling up this form}

**For Analysis by X-ray Diffractometer**

Name of User .....

Name of the supervisor .....

Department .....

Institute .....

Affiliation (Please tick)

- IIT Ropar
- Educational Institution/Govt. R&D Labs
- Industry

No. of Samples .....

Angle of Scanning .....

Description of sample .....

.....

Mention if Toxic .....

Powder/film .....

Monitoring (Please tick) Texture .....

Residual Stress .....

SAXS .....

Any other specific requirement .....

The estimated charges for the work are .....(for office use only)

Signature of Research Supervisor, if applicable

Signature of User

**Please complete the work**

**Officer in-charge XRD Laboratory**

Please transfer an amount of Rs \_\_\_\_\_ from the operating grant of the \_\_\_\_\_ department/centre to CRF account

**Dy. Registrar (F&A)**

**HEAD OF DEPARTMENT**

(with seal)

Please transfer an amount of Rs \_\_\_\_\_ from the following sponsored/consultancy project fund to CRF account:

Title of the project: \_\_\_\_\_

File No. \_\_\_\_\_ Department: \_\_\_\_\_

Certified that the funds are available for the same under appropriate head of the project

**Dy. Registrar (SRIC)**

**PRINCIPAL INVESTIGATOR**

(with seal)

## Information for Users

- The charges for the X-Ray Diffraction analysis are as under:
  - Charges for Powder XRD only
    - For internal users (IIT Ropar) Rs. 25/-per sample
    - For users from Educational & Govt. R&D Labs Rs. 500/-per sample
    - For users from Industry Rs. 1000/-per sample
  - Charges for XRD-Stress texture/Residual Stress/SAXS analysis
    - For internal users (IIT Ropar) Rs.25/-per sample
    - For users from Educational & Govt. R&D Labs Rs. 600/-per sample
    - For users from Industry Rs. 1200/-per sample
- Work related to consultancy will be treated as an external work. Provision may please be made accordingly while estimating consultancy fee
- External users have to pay in advance by Demand draft drawn in favor of "Registrar, Indian Institute of Technology Ropar"
- Departments/Centers organizing short courses may book time in advance for visits /laboratory classes on payment of charges at par with the internal users
- Departments/Centers may book time in advance for conducting regular UG/PG laboratory classes in advance for conducting regular laboratory classes if the X-RAY Diffractometer forms a part of the laboratory course curriculum. No payment need be made for such purposes. Concerned faculty members should contact the faculty in-charge, XRD laboratory for these purposes
- **Head of the Departments/Centers/Principal Investigators of the sponsored/Consultancy Projects are required to sign the form before the work can be taken up**
- The charges will be transferred from the operating grant of the Department/Centers or from the Sponsored / Consultancy Project funds as the case may be to the CRF Account to maintain by the accounts section and SRIC respectively
- The users are not allowed to use the machine at their own under normal circumstances
- A user can bring maximum 12 samples at a time in a week
- Finely grinded powder sample in sufficient quantity should be brought to the XRD Lab