

# X-Ray Diffraction (XRD)



**Model: D2 Phaser Model: 08 discover, Bruker**

**$2\theta$  Range:  $10^\circ$  to  $90^\circ$**



# SoS in Physics and Astrophysics

## Pt. Ravishankar Shukla University, Raipur (C.G.)

### Facility use request form

Name:

Supervisor:

Research Centre:

E-mail:

Date of Submission:

Address:

Sample Information:

No. of Samples	Sample Name	Sample Code (for save the data)	Facility Required			
			XRD	FTIR	DSC	TGA

Required range:

(for XRD/DSC/TGA)

Indicate what is needed: Raw data only: \_\_\_\_\_ Analysis with possible unit cell \_\_\_\_\_

Sample disposition: Save and Return \_\_\_\_\_ Dispose of after analysis \_\_\_\_\_

Note: if the sample is not picked up within two weeks from the date of providing results, it will be discarded automatically.

#### Notes:

- After finding your sample suitable for XRD/FTIR/DSC/TGA study the requested work will be completed within two week from the date of submission if the instrument does not have an issue. Also if more than five samples are submitted from a supervisor on the same date it will take longer than Two week for considering your sample.
- The data regarding the analysis will be kept intact for maximum 15 days after the production of result. Later on those will be deleted.
- Fees for each analysis per sample is 500.00 Rs.

Please Receive Rs. Sample: 500 x ..... = Rs..... for using **lab facility**

Signature of Lab Incharge

Signature of candidate

Signature of Supervisor