



**Sophisticated Instrument Facility &
Department of Metallurgical and Materials Engineering
National Institute of Technology Tiruchirappalli-620015**

**Requisition form for
X-ray Diffraction Analysis (for NIT users only)**

Date:

User Information

Name of the NITT student:

E-mail:

B. Tech/M. Tech/MSc/MS/PhD:

Phone No:

Name of the Faculty/ Student's guide:

E-mail:

Department:

Sample and Measurement Details

Scan range (2θ range):

Step size:

Purpose of XRD-phase identification, quantification, crystal size measurement, any other:

Reference XRD pattern/JCPDS No –available/not available:

No of samples: (maximum 2 samples in one slot)

Solid samples: Flat samples with size ≤ 10 mm diameter or 10 mm square. Thickness < 4 mm;

Powder samples: fine powder

Sl. No	Sample code	Chemical name and formula	Any other details
1.			
2.			

Signatures

- Certified that the samples submitted for XRD belong to the NITT user mentioned above and the measurements can be performed without any charges.
- Certified that the samples submitted for XRD are non-toxic.

Student	Students Guide/Faculty	Head of the Department