

**Central Research Facility
Indian Institute of Technology (ISM)
Dhanbad-826004, Jharkhand**



XRF ANALYSIS REQUEST FORM

Please submit your request by filling out the form below to the XRF lab. Details of the sample (as given in format) like sample number, name, type, locality etc. complete in all respect should invariably accompany this request.

Date.....

Please allot me slots for samples, the estimated charge for the analysis is ₹

User's Name (block letter): Name of Supervisor

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

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

Signature of the user

- * CRF IIT(ISM) follows matrix based analytical methods. Samples cannot be analysed without details of samples (for e.g. granite, dolerite, laterite soil, river soil, river sediment, lake sediment etc.). These details have to be filled compulsorily in the columns provided in the format.

XRF Analysis
<input type="checkbox"/> Major Elements (SiO ₂ , TiO ₂ , Al ₂ O ₃ , MnO, Fe ₂ O ₃ , MgO, CaO, Na ₂ O ₃ , K ₂ O, P ₂ O ₅)
<input type="checkbox"/> Any other specific analysis (May done as standard less analysis)

Category of Request* (✓ tick one)

<input type="checkbox"/> I: Internal	<input type="checkbox"/> II: Academic/R&D lab	<input type="checkbox"/> III: Industry
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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

Date:

Faculty In-Charge
XRF laboratory, CRF

Samples for XRF: Minimum ten grams of finely ground and dried sample powders (at least –200 mesh size) are to be supplied with Loss on Ignition (LOI) values. **Samples known to contain loss on ignition values more than 1% will not be analyzed without information on LOI.**

Sr No	Sample No	Sample type (Essential)	Location	LOI	Remarks
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					
16.					
17.					
18.					
19.					
20.					

Analysis Charges - XRF

	Major elements and pressed pellets
Internal	RS 600/-
Academic* / R & D Labs*	RS 2000/-
Industry*	RS 5000/-