



National Centre for Earth Science Studies

(An Autonomous Institute under Ministry of Earth Sciences, Government of India)

Akkulam, Thiruvananthapuram – 695 011

Tel: + 91-471-2511 666/670/662

Website: <http://cess.res.in/groups/crustal-processes-crp-group/laboratories/xrf-lab-2>



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.....

Name of Indenter: _____

Affiliation: _____

Project: _____

Email Address: _____ Number of Samples _____

Sample type: _____ Soil* _____ Rock * _____ Sediment * _____ Mineral* _____ Others (Please Specify)

* NCESS follows matrix based analytical methods. Samples cannot be analysed without details of samples (for eg. 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"/> Trace elements (Please ✓ from the following)
<input type="checkbox"/> V <input type="checkbox"/> Cr <input type="checkbox"/> Co <input type="checkbox"/> Ni <input type="checkbox"/> Cu <input type="checkbox"/> Zn <input type="checkbox"/> Ga <input type="checkbox"/> Rb <input type="checkbox"/> Sr <input type="checkbox"/> Y <input type="checkbox"/> Zr <input type="checkbox"/> Nb <input type="checkbox"/> Ba <input type="checkbox"/> Ce <input type="checkbox"/> La <input type="checkbox"/> Nd <input type="checkbox"/> Sm <input type="checkbox"/> Pb

Category of Request* (✓ tick one)

<input type="checkbox"/> I: Commercial	<input type="checkbox"/> II: R&D Institute	<input type="checkbox"/> III: Research Student	<input type="checkbox"/> IV: NCESS Projects
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*: Categories I to III are on payment basis. Category IV is for NCESS users. Please check for eligible category and applicable rates.

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Name and Signature of Indenter	Head (NCESS/Institute/Dept)	Group Head (XRF Lab, NCESS)

For Office Use Only

Please collect Rs (In words.....)
towards XRF analytical charges ofsamples under category..... including service tax@14%.

Date:

Scientist In-Charge/Group Head
XRF laboratory, NCESS

Samples for XRF: Ten grams of finely ground and dried sample powders (at least –230 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 Name (Essential)	Location	LOI	Remarks
1		Granite			
2		Basalt			
3		Charnockite			
4		River sediment			
5		Ocean sediment			
6		Laterite soil			
7		Lake Sediment			
8		Ayurvedic compound			
9		Pyroxene			
10		Garnet			
11					
12					
13					
14					
15					

Arrange similar type of samples in a continuous serial order. Indicate abnormal concentration of any element, if known or suspected. Duplicate this page for more samples.

Analytical Charges under different Categories:

XRF: Rs 2000/- per sample for 10 major elements; Rs 200/- additional per trace element. Minimum charge per sample is Rs 1000/-

Category	User	Charge
I: Commercial	Users from Industry/private/commercial organisation/consultancy projects.	Full
II: R&D projects	Users from Government organisation/Universities, sponsored projects of NCESS.	2/5
III: Research Students	Students from outside NCESS, pursuing PG/Ph.D., Programmes	1/5
IV: CESS	NCESS Institutional projects/Plan projects/ PG/PhD., Students at NCESS	Free

Please Note:

1. Additional Service Tax, as applicable (currently @ 14%), is charged extra.
2. Outstation indenters may send samples, strictly as per the lab requirement, along with the request form directly to the XRF lab. They would be advised by email of charges on completion of the analysis.
3. Analytical charges may be remitted directly by cash at NCESS accounts section or by way of crossed DD drawn in favour of the Director, NCESS, payable at any of the nationalized banks, Thiruvananthapuram.
4. Results are mailed on receipt of the payment or in person by presentation of payment receipt.