



राष्ट्रीय पृथ्वी विज्ञान अध्ययन केन्द्र  
NATIONAL CENTRE FOR EARTH SCIENCE STUDIES

Ministry of Earth Sciences, Government of India

PB No. 7250, Akkulam, Thiruvananthapuram-695011, India

Tel: + 91-471-2511618/1669(SEM-EDS)

Email: [sem@ncess.gov.in](mailto:sem@ncess.gov.in)

Website: <http://ncess.gov.in/index.php/facilities/laboratories.html>



**SEM-EDS REQUISITION FORM**

Please submit your request by filling out the form below to the SEM-EDS Lab. Details of the sample (format attached) like sample number, name, type, description etc. should invariably accompany this request. All fields must be filled. Strike out inapplicable fields.

Date:.....

Name of Indenter: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Project: \_\_\_\_\_

Email: \_\_\_\_\_ Mobile: \_\_\_\_\_

Sample type: Metal/Powder/Film/Ceramic/Tissue Number of Samples: \_\_\_\_\_

SEM-IMAGE	<input type="checkbox"/> SE	<input type="checkbox"/> BSE	<input type="checkbox"/> CL		
EDS	<input type="checkbox"/> Mapping	<input type="checkbox"/> Line Scan	<input type="checkbox"/> Point Scan	<input type="checkbox"/> Area Scan	<input type="checkbox"/> Semi Quantitative Analysis
List of expected elements if conducting EDS analysis					
Approx. Magnification required (2x – 1,000,000x)		Duration of Utility	Hours		

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. Please check for eligible category and applicable rates (Page 3)

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Name and Signature of Indenter	Head (Group/Division/Institute/Dept)	Group Head (CoP Group, NCESS)
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**For Office Use Only**

Please collect Rs ..... (In words.....) towards SEM-EDS analytical charges of .....samples under category.....including GST @18%.

Scientist In-Charge  
SEM-EDS laboratory, NCESS

**Samples for SEM-EDS:** Sample should be solid, dry & non-magnetic. Powder/ metal/ thin-film/ tissue/coated slide samples are accepted for analysis. Moisture within the sample is not allowed for analysis. Hydrated samples must be dried properly before submission.

SI No	Sample No	Sample Description including type of pre-processing carried out, special sample preparation if any	Catalog*
1			
2			
3			
4			
5			
6			
7			

Indicate abnormal concentration of any element, if known or suspected including hazardous materials. \* For Office use.

## ANALYTICAL CHARGES UNDER DIFFERENT CATEGORIES:

**SEM-IMAGE:** Rs 4000/- per sample (Two pictures)

**EDS:** Rs 3000/- per sample

Category	User	Charge
I: Commercial	Users from industry/private/commercial organization/consultancy projects.	Full
II: R&D projects	Users from Government organisation/Universities, R&D projects of NCESS with grant in-aid funding	2/5
III: Research Students	Students from outside NCESS, pursuing PG/PhD. programmes	1/5
IV: NCESS	NCESS Institutional projects/Plan projects/ PG/PhD., Students at NCESS	Free

## PLEASE NOTE:

1. Additional GST @18% is charged extra.
2. Slots for measurements would be made on queue basis at a convenient time both for the operator and the applicant through telephone/email conversation. It is sufficient to bring the sample at the time of appointment.
3. Samples will be done only in the presence of the concerned user during their slot.
4. A maximum of seven samples may be analyzed using a single requisition form.
5. 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.
6. Results can be collected on receipt of the payment or in person by presentation of payment receipt.
7. Due acknowledgement be given to NCESS in the research publication emerging out of the work carried out at this Facility. Kindly send us the publication reference (Journal name / volume Number / names of the author's date of issue of the publication etc.).