



Trace element analysis facility
Department of Environmental Science
University of Calcutta

Charges for sample preparation and analysis are as follows:

Sl. no	Instrument	Charges for CU	Charges for other academic / research institution	Charges for commercial organizations / industries	Remarks
1.	ICP-OES (Thermo Fisher iCAP 7000 series)	Rs. 300.00 per run (3 elements) + Rs. 50 for extra elements (Minimum 5 Samples to be analysed)	Rs. 500.00 per run (3 elements) + Rs. 100 for extra elements (Minimum 5 Samples to be analysed)	Rs. 1000.00 per run (3 elements) + Rs 150 for extra element (Minimum 5 Samples to be analysed)	Available elements Ag, Al, B, Ba, Ca, Cd, Co, Cr, Cu, Fe, K, Li, Mg, Mn, Na, Ni, Pb, Zn, Be, As, Hg(Samples should be filtered through 0.2µm filter just before analysis) Consumables excluded
2.	ICP-OES (Thermo Fisher iCAP 7000 series (Analysis with hydride generator)	Rs. 500.00 + Rs. 300.00 for As and Hg (Minimum 5 Samples to be analysed)	Rs. 800.00 + Rs. 400.00 for As and Hg (Minimum 5 Samples to be analysed)	Rs. 1200.00 + Rs. 500.00 for As and Hg (Minimum 5 Samples to be analysed)	As, Hg (Samples should be filtered through 0.22µm filter just before analysis) Consumables excluded
3.	Microwave Digestion System, Model : START D (Serial No. 135516/1304060067)	Rs.200.00 per run (Minimum 5 Samples)	Rs.500.00 per sample (Minimum 5 Samples to be digested)	Rs. 800.00 per run (Minimum 5 Samples to be digested)	Consumables excluded
4.	Block Digester (Bd 50 Block Seal Analytical Inc. Serial No. (5146U00515)	Rs.100.00 per run (Minimum 5 Samples)	Rs. 200.00 per run (Minimum 5 Samples to be digested)	Rs. 500.00 per run (Minimum 5 Samples to be digested)	Consumables excluded

- NB:**
- 1.Samples must be filtered through 0.2µ PTFE filter paper just before analysis.
 2. The acid percentage of the sample should be less than 5 %.
 3. Hydrofluoric acid should not be used during any stages of sample preparation.
 4. Salinity of the samples should be 0 and checked before analysis

For details you may contact

Dr Punarbasu Chaudhuri,

Assistant Professor

Department of Environmental Science, University of Clacutta,

Email- punarbasu_c@yahoo.com

Contact no- +919831140980



Department of Environmental Science
University of Calcutta

Requisition form for Trace element analysis facility

Name of the User		
Name of the Supervisor		
Name of the Department		
Institution		
Address		
Phone/Mobile No.		
Email Address		
Facility to be used		
Information about the Samples		
Type of Sample	Number of samples	Type of Analysis
Salinity range of the samples	Acid concentration in samples	Any special requirement
Payment Details:		

Signature of the Supervisor / responsible authority of the Institution with seal

For Office Use Only

Slot Allotment		
Date:	Time:	Signature:
Received Payment details		

Remarks:

- N.B.
1. Please bring a blank CD/ DVD for Data Transfer (Thumb drives or Re writable CDs are not allowed).
 2. Samples must be filtered through 0.2 μ PTFE filter paper just before analysis.
 3. The acid percentage of the sample should be less than 5 %.
 4. Hydrofluoric acid should not be used during any stages of sample preparation.
 5. Salinity of the samples should be 0 and checked before analysis