

The analytical costs provided below exclude applicable GST (18%).

Lab / Equipment / Analysis	Unit	Analytical Cost (Rs.)		I-STEM Link
		Acadmic Users	private users	
X-Ray Diffraction (XRD)				
Identification of Minerals/sample	per scan	800	1600	https://www.istem.gov.in/equipment-info/58553/X-Ray+Diffraction+%28XRD%29
Preparation of clay slide	per slide	300	750	
X-Ray Fluorescence (WD-XRF)				
Major elements (max. 10 radicals)	per sample	1000	2000	https://www.istem.gov.in/equipment-info/58554/Wavelength+Dispersive+X-Ray+Fluorescence+%28WD-XRF%29
Trace elements	per sample	150	300	
Triple Quadrupole Inductively Coupled Plasma Mass Spectrometry (TQ-ICPMS)				
REEs	per sample	2000	4000	https://www.istem.gov.in/equipment-info/58549/Triple+Quadrupole+Inductively+Coupled+Plasma+Mass+Spectrometry+%28TQ-ICPMS%29
Trace Elements	per sample	2000	4000	
L.O.I.	per sample	250	500	
Complete Package Consisting Of Powdering, Loi, Major, Trace And REEs Using XRF And ICPMS	per sample	4000	7000	
Ion-Chromatograph (IC)				
Major anions	per sample	1000	2000	https://www.istem.gov.in/equipment-info/58552/Ion-Chromatograph+%28IC%29
Major cations	per sample	1000	2000	
Physical parameters (Temp., Cond., TDS, pH & D.O.)	per sample	400	800	
Sample Prepration Lab				
Ordinary Slide	per Slide	150	250	https://www.istem.gov.in/equipment-info/60501/Fluid+Inclusion+Microthermometry+Stage
Microprobe Slide	per Slide	250	450	
Fluid Inclusion Slide	per Slide	250	450	
Crushing of sample/ Powdering of sample	per sample	150	250	
Fluid Inclusion Lab (Data only)	per day	8000	10000	https://www.istem.gov.in/equipment-info/60501/Fluid+Inclusion+Microthermometry+Stage
Raman Spectra Lab	per hour	2500	4000	https://www.istem.gov.in/equipment-info/58509/Laser+Raman+Spectrometer

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TL/OSL Lab	per sample	18000	25000	https://www.istem.gov.in/equipment-info/58547/Thermoluminescence+and+Optically+Stimulated+Luminescence+Reader+%28TL-OSL%29
Stable isotope Analysis				
<i>Continuous Flow Isotope Ratio Mass Spectrometry (CF-IRMS)</i>				
Dissolved inorganic carbon (DIC) isotope in water	per sample	1000	2000	
Decarbonation	per sample	1000	1500	
Organic carbon isotope	per sample	1500	3000	
Total (Organic + inorganic) Carbon isotope	per sample	1500	3000	https://www.istem.gov.in/equipment-info/58539/Continuous+Flow+Isotope+Ratio+Mass+Spectrometry+%28IRMS%29
Nitrogen isotope	per sample	1500	3000	
Oxygen isotope in Hydrous minerals	per sample	2500	5000	
Deuterium isotope in Hydrous minerals	per sample	2500	5000	
Oxygen isotope in water using IRMS	per sample	1000	2000	
Deuterium isotope in water using IRMS	per sample	1000	2000	
<i>Laser Water Isotope Analyzer (LWIA) - Cavity Ring-Down Spectroscopy (CRDS)</i>				
Oxygen isotope in water using LWIA - CRDS	per sample	1000	2000	https://www.istem.gov.in/equipment-info/60502/Laser+Water+Isotope+Analyzer+%28LWIA%29
Deuterium isotope in water using LWIA - CRDS	per sample	1000	2000	
<i>Dual Inlet Isotope Ratio Mass Spectrometry (DI-IRMS)</i>				
Carbon + Oxygen isotope in carbonates	per sample	1500	3000	https://www.istem.gov.in/equipment-info/58540/Dual+Inlet+Isotope+Ratio+Mass+Spectrometry+%28IRMS%29
Oxygen isotope in silicate minerals	per sample	4000	8000	
Mineral separation and Mounting				
Sample reduction to 1" size (Hammering) and 1-2mr	per sample	500	1000	
Fine powdering to <500µm (Disc Mill)	per sample	500	1000	
Gravity separation in Wilfley Table:	per sample	200	400	https://www.istem.gov.in/equipment-info/58529/Laser+Ablation+Multi-
Magnetic Barrier Separation:	per sample	300	600	Collector+Inductively+Coupled+Plasma+Mass+Spectrometry
Heavy Liquid separation:	per sample	1500	3000	
Picking of Good quality grains and Mounting (100 gr.	per sample	1000	2000	
Polishing of each mounted slide	per sample	1000	2000	
Package Rate: Total Rate for one slide preparation	per sample	5000	10000	
U-Pb dating of Zircon Geochronology (analysis and	per sample	35000	70000	https://www.istem.gov.in/equipment-info/58529/Laser+Ablation+Multi-
U-Pb dating of Zircon Geochronology (analysis and d	per spot	500	1000	Collector+Inductively+Coupled+Plasma+Mass+Spectrometry