Consultancy charges for different analytical facilities at BSIP

S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
1	Luminescence Dating Laboratory (LumDL)	Instrument:	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: Dr. P. Morthekai and Dr. S. Nawaz Ali (morthekai@gmail.com, snawazali@bsip.res.in)	Luminescence age (on properly collected sample)	BSIP/SAIF/001	15000	20000	30000	51000	51000
		Luminescence Dose estimation	BSIP/SAIF/001	10000	12000	15000	N.A	N.A
		HPGe gamma spectrometer	BSIP/SAIF/001A	1200	1500	2500	N.A	N.A
		Magnetic separator	BSIP/SAIF/001B	400	600	1000	N.A	N.A
		Luminescence measurements (TL glow curves and OSL/IRSL decay curves) (per day (24 hours))	BSIP/SAIF/001	2500	3000	5000	N.A	N.A
		Training (1 month) on instruments and luminescence age estimation (Per Person)	BSIP/SAIF/001T	10000	15000	20000	N.A	N.A

S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
2	ICP-MS/ICP-OES Laboratory	Instrument: Agilent	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: Dr. Pawan Govil and Dr. GP Gurumurthy (pawan_govil@bsip.res.in, gurumurthygp@bsip.res.in)	Trace elements (per sample) (up to 10 elements and Rs.200/-will be charged extra for each additional element)	BSIP/SAIF/002	2500	3000	5000	7000	10000
		ICPMS (REEs analysis)	BSIP/SAIF/002	2500	3000	5000	7000	10000
		Complete Package consisting of powdering, LOI, major, trace, and REEs using XRF and ICP-MS (max 30 elements)	BSIP/SAIF/002	6500	8000	13000	10000	15000
		Platinum Group Elements	BSIP/SAIF/002	2000	4000	5000	7000	10000
		Major and minor (silica only in aqueous samples, 10 elements)	BSIP/SAIF/002	1500	2000	3000	7000	10000
		Elemental Analysis Package by ICP-MS and ICP-OES: Major, trace & REEs (30 elements; excluding Si)	BSIP/SAIF/002	6500	8000	13000	10000	15000
		LOI	BSIP/SAIF/002	200	300	700	500	500
		Grinding	BSIP/SAIF/002	100	200	300	500	500
		Sample digestion (ICP-MS/OES)	BSIP/SAIF/002	2000	3000	4000	5000	6000

S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
3	XRD Laboratory	Instrument: PANanalytical (X'PERT3 powder)	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: Dr Kamlesh Kumar (kamlesh_kumar@bsip.res.in)	Sample Grinding ball Mill (75µm)	BSIP/SAIF/003	100	200	300	500	700
		Sample grinding (Via Jaw Crusher ~1-3 mm) for Hard Rock samples	BSIP/SAIF/003	200	300	400	500	700
		LOI (Loss on Ignition)	BSIP/SAIF/003	200	300	400	700	1000
		Bulk powder/clay slide (per Scan)	BSIP/SAIF/003	1000	1500	2000	2000	3000
		Thin films (per Scan)	BSIP/SAIF/003	2000	2500	3000	4000	5000
		Micro diffraction (per Scan)	BSIP/SAIF/003	3500	4500	6000	7000	8000
S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
4	XRF Laboratory	Instrument: PANanalytical (Axios max)	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: Dr Kamlesh Kumar (kamlesh_kumar@bsip.res.in)	Press powder Pellet (Major Oxides (Max. 10) per sample (Only Analysis)	BSIP/SAIF/004	1500	2500	4000	3000	5000
		Fusion Bead (Bead preparation + Analysis)	BSIP/SAIF/004	4500	6500	7500	8000	10000
S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
5	Stable Isotope Laboratory	Instrument: Thermo MAT-253 / Delta Q	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: Dr Shailesh Agrawal (shailesh_agrawal@bsip.res.in)	$\delta^{13}C$ and $\delta^{18}O$ of carbonate samples (Accepting only processed powdered samples) (Gas Bench II)	BSIP/SAIF/005	600	800	1800	1200	3600
		$\delta^{13}C$ of organic samples (Instrument : Elemental Analyzer)	BSIP/SAIF/005	1000	1500	2500	2600	3800
		$\delta^{15}N$ of organic samples (Instrument : Elemental Analyzer)	BSIP/SAIF/005	1000	1500	2500	2600	3800

S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
6	**Biomolecule laboratory**	**Instrument: Thermo Delta advantage**	**Instrument code**	**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr Trina Bose (trinabose@bsip.res.in)	Decarbonation of soil samples	BSIP/SAIF/006	400	500	800	900	1300
		Cellulose extraction from wood or plant organic matter	BSIP/SAIF/006	750	1000	1500	1700	2600
		$\delta^{13}C$ of organic samples (Instrument : Elemental Analyzer)	BSIP/SAIF/006	1000	1500	2500	2600	3800
		$\delta^{15}N$ of organic samples (Instrument : Elemental Analyzer)	BSIP/SAIF/006	1000	1500	2500	2600	3800
		$\delta^{18}O$ of organic samples (Instrument : Elemental Analyzer)	BSIP/SAIF/006	1500	2000	3000	3400	5100
		δD from a pure organic compound sample with only non-exchangeable Hydrogen atoms e.g., Cellulose nitrate (Instrument : Elemental Analyzer)	BSIP/SAIF/006	1500	2000	3000	3400	5100
		δD from a pure organic compound sample with exchangeable Hydrogen atoms e.g., Cellulose (Instrument : Elemental Analyzer)	BSIP/SAIF/006	1900	2500	4000	4300	6400
S.No	**Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)**			Rates in INR (18% GST will be charged extra)				
7	**Clumped isotope Laboratory**	**Instrument: Thermo MAT-253 Plus**	**Instrument code**	**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr K Prasanna (prasanna@bsip.res.in)	High accuracy Dual inlet $\delta^{13}C$ & $\delta^{18}O$ natural abundance in carbonates (Extraction line)	BSIP/SAIF/007	1000	1500	2000	2000	4000
		Clumped isotope Δ_{47}, $\delta^{13}C$ & $\delta^{18}O$ in natural abundance in carbonates (Extraction line)	BSIP/SAIF/007	1750	3500	6000	3500	12000
		Gas Bench (for $\delta^{13}C$ and $\delta^{18}O$ in carbonate) or $\delta^{13}C$ in water	BSIP/SAIF/007	600	800	1800	1200	3600
		Gas Bench (For both Hydrogen and Oxygen isotopes in water)	BSIP/SAIF/007	1000	1500	2000	2500	5000
		Gas Bench (For Hydrogen isotopes in water)	BSIP/SAIF/007	600	800	1100	1400	2600
		Gas Bench (For Oxygen isotopes in water)	BSIP/SAIF/007	600	800	1100	1400	2600
		Weighing & Sub sampling Fee – must contact us to discuss ahead of time	BSIP/SAIF/007	250	500	750	500	1500
		Analysis Training per day	BSIP/SAIF/007T	250	500	750	500	1500

S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
8	**Soil and Water Analysis Kit**	**Instrument: WTW Multiparameter probe**		**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr. Anupam Sharma (anupam.sharma@bsip.res.in)	water (pH; TDS; EC; salinity, DO, etc.)	BSIP/SAIF/008	200	400	600	1000	2000
		Soil (pH; TDS; EC; salinity, DO, etc.)	BSIP/SAIF/008	300	500	900	2000	3000
		Extraction of soil samples	BSIP/SAIF/008	200	300	600	1500	2000

S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
9	**Diffraction Particle Size Analyzer (LPSA)**	**Instrument: Beckman Coulter (LS 13 320)**	**Instrument code**	**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr. Manoj M C (manoj_mc@bsip.res.in)	Laser Diffraction Particle Size Analyzer (LPSA)	BSIP/SAIF/009	900	1200	2500	2000	4000
		Training /per day basis	BSIP/SAIF/009T	250	500	1000	1000	2000

S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
10	**CHNS-O Laboratory**	**Instrument:**	**Instrument code**	**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr Prasanna K and Dr Manoj MC (prasanna@bsip.res.in, manoj_mc@bsip.res.in)	Elemental CHNS Percentage with O deduced using differential Method	BSIP/SAIF/010	850	1000	1500	1700	3000
		Elemental CHNS Percentage with O Analysed separately	BSIP/SAIF/010	1700	2000	3000	3400	6000
		Sample Processing Fee	BSIP/SAIF/010	250	500	800	500	1500
		Analysis Training per day	BSIP/SAIF/010T	250	500	800	500	1500

S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
11	**Sample Preparation for compound specific isotope analysis (CSIA Laboratory)**	**Instrument: Thermo ASE 350**	**Instrument code**	**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr. Anurag Kumar (anuragkumar@bsip.res.in)	Lipid extraction from organic samples (Per sample)	BSIP/SAIF/011	1500	2000	3000	5000	5000
		Column chromatography for separation of alkanes (Per sample)	BSIP/SAIF/011	200	300	500	1000	1000

S.No	Geochemical and TL/OSL Facility (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
12	**Environmental Lab**	**Instrument: Skylar SAN++ Nutrient Analyzer & Hanna water quality meters.** (Minimum 30 samples should be sent, rates per sample)	**Instrument code**	**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr. Anurag Kumar (anuragkumar@bsip.res.in)	Ammonia in liquid samples.	BSIP/SAIF/012	200	300	400	600	800
		Nitrate + Nitrite in liquid samples.	BSIP/SAIF/012	200	300	400	600	800
		Silicate in liquid samples.	BSIP/SAIF/012	200	300	400	600	800
		Ortho Phosphate in liquid samples.	BSIP/SAIF/012	200	300	400	600	800
		Urea in liquid samples.	BSIP/SAIF/012	200	300	400	600	800
		Boron in liquid samples.	BSIP/SAIF/012	500	600	700	900	1200
		Chloride in liquid samples.	BSIP/SAIF/012	200	300	400	600	800
		Total Floride in liquid samples.	BSIP/SAIF/012	500	600	700	600	800
		Bicarbonate in liquid samples.	BSIP/SAIF/012	300	400	500	700	1000
		Potassium in liquid samples.	BSIP/SAIF/012	500	600	700	900	1200
		Calcium in liquid samples.	BSIP/SAIF/012	500	600	700	900	1200
		Sodium in liquid samples.	BSIP/SAIF/012	500	600	700	900	1200
		Water Physiochemical Parameters	BSIP/SAIF/012	100	150	200	500	700
		Ammonium using ISE Probe	BSIP/SAIF/012	100	150	200	500	700
		Chloride using ISE Probe	BSIP/SAIF/012	100	150	200	500	700
		Nitrate using ISE Probe	BSIP/SAIF/012	100	150	200	500	700

S.No	Organic Geochemistry and Coal Analysis Laboratory (Group Head: Dr Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
13	**Organic Geochemistry and Coal Analysis Laboratory**	**Instrument:**	**Instrument code**	**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr. Runcie Paul Mathews and Dr. Divya Kumari Mishra (runciepaulmathews@gmail.com, divya.mishra@bsip.res.in)	FTIR Routine Spectrum (ATR)	BSIP/SAIF/013	250	500	1000	500	2000
		FTIR Routine Spectrum (K-Br)	BSIP/SAIF/013	300	600	1200	600	2400
		FTIR (Spectrum with image)	BSIP/SAIF/013	400	800	1250	1000	2500
		Bomb Calorimeter	BSIP/SAIF/013A	500	900	1300	1000	2500
		TGA	BSIP/SAIF/013B	500	900	1300	1000	2500
		GC-MS spectra	BSIP/SAIF/013C	3500	5000	10000	7000	20000
		Pellet preparation (Coal, Lignite & Carbonaceous Shale) including grinding and polishing	BSIP/SAIF/013	500	1000	2500	1500	5000
		Maceral counting (general) for Coal	BSIP/SAIF/013	1000	3000	5000	4000	10000
		Maceral counting (detailed) for Coal	BSIP/SAIF/013	2000	4000	7000	5000	14000
		Maceral counting (general) for Shale	BSIP/SAIF/013	1000	4000	7000	5000	14000
		Maceral counting (detailed) for Shale	BSIP/SAIF/013	2000	5000	10000	6000	20000
		Vitrinite reflectance (VRo) for Coal	BSIP/SAIF/013	2000	5000	10000	6000	20000
		Vitrinite reflectance (VRo) for Shale	BSIP/SAIF/013	4000	7000	12000	8000	24000

S.No	Dendrochronology Laboratory (Group Head: Dr Santosh K Shah)			Rates in INR (18% GST will be charged extra)				
14	**Dendrochronology Laboratory**	**Instrument: Velmex Tree-ring Measurement system coupled with Microscope and Encoder**	**Instrument code**	**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr Santosh K Shah (santoshkumar_shah@bsip.res.in)	Conifer tree core samples from living trees (rate for per sample)	BSIP/SAIF/014	400	500	2500	1000	3000
		Broad leaved tree core samples from living trees (rate for per sample)	BSIP/SAIF/014	500	600	3000	1500	4000
		wooden objects/ artifacts (rate for per sample)	BSIP/SAIF/014	1000	2000	5000	3000	5000
S.No	**(Group Head: Dr Hukam Singh)**			Rates in INR (18% GST will be charged extra)				
15	**Field Emission Scanning Electron Microscopy (FESEM and EDAX) Laboratory**	**Instrument:**	**Instrument code**	**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr. Hukam Singh/ Dr Subodh Kumar (hukam.singh@bsip.res.in)	Sample Processing and Mounting (rates per stub)	BSIP/SAIF/015	300	300	500	500	600
		Stub Coating (Au/Pd/Pt) (rates per stub)	BSIP/SAIF/015	200	350	500	1000	1500
		FESEM Imaging (rates per exposure)	BSIP/SAIF/015	150	350	500	500	500
		EDAX spectra (rates per spectra)	BSIP/SAIF/015A	1000	1200	1200	1200	1500
		CPD drying (rates per sample)	BSIP/SAIF/015	500	600	700	700	1000
S.No	**(Group Head: Dr Hukam Singh)**			Rates in INR (18% GST will be charged extra)				
16	**Confocal Laser Scanning Microscope (CLSM) & Laser Raman Spectroscopy**	**Instrument:**	**Instrument code**	**Student**	**Govt. Organization/ University**	**Private Organization**	**Foreign Govt. Organization**	**Foreign Private Organization**
	Resource person: Dr. Hukam Singh/Ms. Shivalee Srivastava (hukam.singh@bsip.res.in)	Petrographic Thin section, Palynological slides (fossil) (rates per specimen)	BSIP/SAIF/016	300	1300	2200	3000	3500
		Palynological slides (living material) (raes per specimen)	BSIP/SAIF/016	300	1500	2800	3500	4000
		Raman Spectra (rates per spectra, per specimen)	BSIP/SAIF/016	350	800	2300	3000	3500
		Raman Spectra with imaging (rates per spectra, per specimen)	BSIP/SAIF/016	600	1300	2700	3500	4000
		Raman spectra with Confocal microscopy (rates per spectra, per specimen)	BSIP/SAIF/016	700	2500	4500	5000	6000

S.No	(Group Head: Dr. Santosh Kumar Pandey and Dr Arvind Kumar Singh)			Rates in INR (18% GST will be charged extra)				
17	Section Cutting Laboratory	Instrument: Cutting/Grinding/Polishing/ Lapping/Impregnation	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person:Dr. Santosh Kumar Pandey and Dr Arvind Kumar Singh (santoshkumar_pandey@bsip.res.in, arvindsingh@bsip.res.in)	Normal (25x75 mm; 25 x 46 mm) (rates per Thin section)	BSIP/SAIF/017	400	520	1000	1600	2500
		Normal (25x75 mm; 25 x 46 mm) IMPREGNATED (rates per Thin section)	BSIP/SAIF/017	500	660	1200	1800	3000
		Polished (EPMA)/ Ore mount (25x75; 25x46 mm) (rates per Thin section)	BSIP/SAIF/017	800	1000	1500	2000	3500
		Unconsolidated material (25x75 mm; 25 x 46 mm) (rates per Thin section)	BSIP/SAIF/017	700	900	2000	2000	3000
		Diamond Polished Thin Section (Loose Sediment Samples / Sedimentary Rock Samples Impregnated Multiple Times / Clay or similar material) (rates per Thin section)	BSIP/SAIF/017	1000	1220	2500	2500	3500
		Advance Polarising Microscope, Microscopic study including mineral composition, rock type, interpretation and report preparation (rates per Thin section)	BSIP/SAIF/017	2500	4000	6000	4500	8000
		Advance Polarising Microscope, Modal analysis (rates per Thin section)	BSIP/SAIF/017	1500	3000	6000	3500	7000

S.No	(Group Head: Dr. Srinivas Bikkina)			Rates in INR (18% GST will be charged extra)				
18	Radiochronology and Isotopic Characterization laboratory	Instrument:	Instrument code	Student/BSIP Scientist	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person:Dr. Srinivas Bikkina (sbikkina@bsip.res.in)	Stable C, N isotope in natural soils, sediment	BSIP/SAIF/018	2250	3000	5000	7700	7700
		Stable C, N, S isotope in natural soils, sediment	BSIP/SAIF/018	3750	5000	6000	8500	8500
		Stable S isotope in anoxic mineral phases such as Pyrrhotite, Chalcopyrite, metal sulfides etc.	BSIP/SAIF/018	4500	6000	8000	10200	10200
		AMS C-14 dates	BSIP/SAIF/018A	18000	18000	25000	29800	29800

S.No	(Group Head: Dr Niraj Rai)			Rates in INR (18% GST will be charged extra)				
19	Ancient DNA Laboratory	Instrument:	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person:Dr. Niraj Rai (nirajrai@bsip.res.in)	DNA library preparation	BSIP/SAIF/019	6000	8000	10000	12000	15000

S.No	(Group Head: -)			Rates in INR (18% GST will be charged extra)				
20	Vertebrate Palaeontology and Preparation Laboratory (VPPL)	Instrument:	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: ()	Automated Slide Scanning (Grundium Ocus) (~Digital scanning @ 20X of ~30-micron thick slides for palaeontological material)	BSIP/SAIF/020	200	300	400	500	1000
		Pneumatic Air Scribes and Sand Blaster Unit (Comco) (Preparation of Palaeontological specimens)	BSIP/SAIF/020	500	1000	1500	4500	8500
		Leica Microscope (S8APO) with Digital Camera (Leica MC170-HD) (Photo-documentation of microfossils)	BSIP/SAIF/020	50	100	200	1000	1700
S.No	(Group Head: Dr. Veeru Kant Singh)			Rates in INR (18% GST will be charged extra)				
21	Precambrian Palaeobiology (Acritarch Biostratigraphy)	Instrument:	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: Dr. Veeru Kant Singh (veerukantsingh@bsip.res.in)	Precambrian Palaeobiology (Acritarch biostratigraphy for academia and oil industries)	BSIP/SAIF/021	5000	10000	20000	25000	45000
S.No	(Group Head: Dr Ratan Kar)			Rates in INR (18% GST will be charged extra)				
22	Microfossil analysis of Quaternary sediments	Instrument:	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: (Dr Ratan Kar)	Palynofacies	BSIP/SAIF/022	2000	10000	25000	25000	45000
		Pollen/Spore	BSIP/SAIF/022	2000	10000	25000	25000	45000
		Dinoflagellates	BSIP/SAIF/022	2000	10000	25000	25000	45000
		Diatoms	BSIP/SAIF/022	2000	10000	25000	25000	45000
		Phytoliths	BSIP/SAIF/022	2000	10000	25000	25000	45000
S.No	(Group Head: Dr. Poonam Verma)			Rates in INR (18% GST will be charged extra)				
23	Industrial Micropalaeontology Laboratory	Instrument:	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: Dr. Poonam Verma (poonam_verma@bsip.res.in)	Spores-pollen	BSIP/SAIF/023	5000	10000	20000	25000	45000
		Dinoflagellate cysts	BSIP/SAIF/023	5000	10000	20000	25000	45000
		Palynofacies	BSIP/SAIF/023	5000	10000	20000	25000	45000
		Foraminifers	BSIP/SAIF/023	5000	10000	20000	25000	45000
		Nannofossils	BSIP/SAIF/023	5000	10000	20000	25000	45000

S.No	(Group Head: Dr. Anil K. Pokharia)			Rates in INR (18% GST will be charged extra)				
25	Archaeobotanical Samples	Instrument:	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: Dr. Anil K Pokharia (anilk_pokharia@bsip.res.in)	Technical (Seed, fruit and grain segregation/section cutting and slide preparation of wood charcoal for archaeological samples) (Palaeoethnobotany (Archaeobotany))	BSIP/SAIF/025	1000	2500	2500	6400	8500
		Scientific Consultancy (Analysis and photo-documentation of grains/seeds/fruits/wood charcoal data and its interpretation for the archaeological samples) (Palaeoethnobotany (Archaeobotany))	BSIP/SAIF/025	5000	10000	10000	2200	42500

S.No	PALMAG Laboratory (Group Head: Dr Binita Phartiyal)			Rates in INR (18% GST will be charged extra)				
26	PALMAG Laboratory	Instrument:	Instrument code	Student	Govt. Organization/ University	Private Organization	Foreign Govt. Organization	Foreign Private Organization
	Resource person: Dr Binita Phartiyal, Dr Mohd. Arif, Dr Prasanta Kumar Das (binita_phartiyal@bsip.res.in , arif@bsip.res.in, prasantadas@bsip.res.in)	Magnetic Susceptibility (MS) (χlf, χhf, χfd%) (Bartington MS2B Sensor)	BSIP/SAIF/026	50	70	150	150	250
		Magnetic Susceptibility (χlf, χhf, χfd%) (MFK2-FA-Kappabridge)	BSIP/SAIF/026	70	100	200	200	400
		Field variation of MS (2 A/m to 700 A/m) (MFK2-FA-Kappabridge)	BSIP/SAIF/026	200	250	500	500	1000
		Temperature variation of MS (Liquid Nitrogen to 0 °C) (MFK2-FA-Kappabridge (CSL- Cryostat)	BSIP/SAIF/026	1000	1500	3000	3000	6000
		Temperature variation of MS (Room Temp to 700 °C and return cooling in Argon env) MFK2-FA-Kappabridge (CS4-Furnace)	BSIP/SAIF/026	1000	1500	3000	3000	6000
		Anisotropy of magnetic susceptibility (AMS)-Manual Mode-15 Direction (MFK2-FA-Kappabridge)	BSIP/SAIF/026	250	350	700	700	1400
		Anisotropy of magnetic susceptibility (AMS)-Auto mode with 3D rotator-64 Direction (MFK2-FA-Kappabridge)	BSIP/SAIF/026	400	600	1200	1200	2400
		Magnetic Susceptibility whole core scanning (without spliting) (MS-2C Sensor (Bartington)110 mm dia) (rate for every 1 meter)	BSIP/SAIF/026	1000	1500	3000	3000	6000
		Magnetic Susceptibility split core scanning (MS-2E Sensor (Bartington)25 mm dia) (rate for every 1 meter)	BSIP/SAIF/026	1500	2500	5000	5000	10000
		Natural Remanent Magnetization(NRM) (AGICO JR-6 Spinner Magnetometer)	BSIP/SAIF/026	50	100	150	150	300
		Anhysteretic Remanent Magnetization (ARM) (AGICO JR-6, ASC AF Demagnetiser)	BSIP/SAIF/026	70	100	200	200	400
		Isothermal Remanent Magnetization (IRM) (AGICO JR-6 & ASC Impulse Magnetiser), (3 steps IRM involves 1000mT, -30 mT, -300 mT)(8 steps IRM involves 20 mT, 1000 mT, -20 mT, -30 mT, -40 mT, -60 mT, -100 mT, -300 mT)(13 steps IRM involves (20, 100, 200, 300, 500, 800, 1000) mT, -20 mT, -30 mT, -40 mT, -60 mT, -100 mT, -300)	BSIP/SAIF/026	3 step 200	300	600	600	1200
			BSIP/SAIF/026	8 step 500	700	1400	1400	2800
			BSIP/SAIF/026	13 step 1000	1300	2600	2600	5200
		Alternating Field Demagnetisation (AFD) (AGICO JR-6, ASC AF Demagnetiser) (All AF steps) (0 to 200 mT)	BSIP/SAIF/026	1800	2500	5000	5000	10000
		Thermal Demagnetisation (TD) (AGICO JR-6 & ASC Thermal Demagnetiser) (All TD steps) (40 C to 80 C)	BSIP/SAIF/026	2000	3000	5000	5000	10000
		Rock drill for palaeomag sample preparation (Laboratory Lapidary core drill LB-01 (ASC scientific)) (rate for each block)	BSIP/SAIF/026	500	1000	2000	2000	4000
		Rock cutting for palaeomag specimen (Dual Blade Rock Saw S1-220 (ASC Scientific)) (rate for each core)	BSIP/SAIF/026	100	200	400	400	800
		Magnetic vial sample preparation (10 cc sample bottles, cling films, agate, tissuepaper, isopropyl alcohol etc)	BSIP/SAIF/026	40	50	100	100	200

S.No	(Group Head: Dr. Anupam Sharma)			Rates in INR (18% GST will be charged extra)				
27	Environmental Lab	Instrument: Ion Chromatography System, Metrohm-ECO IC (Minimum 5 samples should be sent, rates given per sample)	Instrument code	Student/ Internal Academic User	Govt. Organization/ External Academic User	Industry/Private Organization/ Startup/ MSME Users	Foreign Govt. Organization	Foreign Private Organization
	Resource person: Dr Anurag Kumar (anuragkumar@bsip.res.in)	Sediment Samples	BSIP/SAIF/027	650	800	3000	$40	$50
		Major Cations: Na^+, K^+, Ca^{2+}, Mg^{2+} etc						
		Major Anions: Cl^-, SO_4^{2-}, NO_3^- etc						
		Water Samples	BSIP/SAIF/027	600	750	2500	$30	$40
		Major Cations: Li^+, Na^+, NH_4^+, K+, Ca^{2+}, Mg^{2+} etc						
		Major Anions: F^-, Cl^-,NO_2^-, Br^-, SO_4^{2-}, NO_3^- etc						