

**Equipment list for the project Research, Education and Manpower Development in the Discipline of Earth Processes.**

<b>Geochemistry laboratory</b>	
S.No.	Name of the equipment
1.	Fume Board
2.	Distillation plant
3.	Milli Q water system
4.	Centrifuge
5.	TC-EA analyser an augmentation with IRMS MAT 253
6.	Spectro-photo meter
7.	Ion chromatograph system for anion, cataion and REE application
8.	Compressor

<b>Sample preparation laboratory</b>	
Sl No.	Name of the equipment
1.	Jaw crushers
2.	Automation for polishing
3.	Ball/mill Pulverizer
4.	Electromagnetic separator

<b>Airphoto / GIS/ remote sensing laboratory</b>	
Sl. No.	Name of the equipment
1.	Mirror stereoscope
2.	Pocket stereoscope
3.	Digitizing tables
4.	Differential backpack GPS with pocket PC and GPS software
5.	ENVI4.5
6.	Global mapper 10.x
7.	ArcGIS 9.3
8.	Surfer 9.x

<b>Petrology laboratory</b>	
Sl. No.	Name of the equipment
1.	Petrological microscope
2.	High end microscope with reflected light including digital image facility
3.	Petrological microscope with 5 multi head for course work/ teaching/ short course
4.	Consol for high end microscope
5.	High end stereo microscope equipped with an UL lamp facility to separate fluorescent minerals such as zircon and corundum
6.	Stereomicroscope for training and teaching

<b>Seismology laboratory/ computational facility</b>	
Sl. No.	Name of the equioment
1.	Seismic recorders
2.	Strong motion seismometer
3.	Short period triaxial seismometer
4.	Field data processing facility and interface software
5.	SASW data acquisition system
6.	SASW field data interfacing and processing facility
7.	Geophone cables
8.	4.5 hz geophones

<b>Sedimentology laboratory</b>	
Sl. No.	Name of the equipment
1.	Ultrasonic bath
2.	Microbalance
3.	Electrically heated laboratory oven
4.	Sieve vibratory shaker