



Department of Geology
Bacha Khan University Charsadda

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List of Research Labs		
S. No	Equipment Name	Details
Petrography Lab		
1	Petrographic Microscopes	Polarizing Microscope
		Stereo Microscope
2	Multi-head Microscope	Microscope with Led Screen and operating system
3	Fieldwork Equipment	Geological Hammer
		Silva Compass
		Brunton Compass
		Hand Lens
		Range Finder
		GPS
Rock cutting lab		
4	Rock cutting Machine (Manual)	Rock Cutting Machine with other accessories
5	Rock Cutting Machine (Automatic)	Rock Cutting Machine with other accessories
6	Polisher	Polisher with compressor and stabilizer
7	Grinder	
8	Lab Oven	
9	Microwave Oven	
10	Refrigerator	
11	Computer	
12	Geological Hammer	
13	Disco-plan	
Geophysics Lab		
14	Ground Penetrating Radar (GPR)	GPR 100 MHz Frequency
		GPR 200 MHz Frequency
		GPR 400 MHz Frequency
		GPR 900 MHz Frequency
		GPR 1600 MHz Frequency
		GPR Dual Antenna Breakout box model 502
		GPR Dual Antenna Breakout box model 570 (Transmitter)
		GPR Dual Antenna Breakout box model 570 (Receiver)
		GPR Wheel
		GPR Cart
		2 Batteries
		SIR-3000

		2 GPS Cable
		2 Antenna control cables (15 m length)
15	Electro-magnetic	EM consists of 3 boxes. Details of each box is given below.
		BOX-1/3
		EM-34-3 Receiver
		EM-34-3 Transmitter
		2 Coils (Receiver, Transmitter)
		Connecting Cables (S. No.123512)
		Internal Powerline Selector Switch Charger
		BOX-2/3
		EM-34-3 Receiver
		EM-34-3 Transmitter
		2 Coils (Receiver, Transmitter)
		Connecting Cables (S. No.123513)
		Internal Powerline Selector Switch Charger
		BOX-3/3
		External Hemisphere GPS
		Cables for GPS
		GPS Antenna
		Cable set
16	Work-Station	2 Screen+1 CPU
17	EMP-400 (Profiler)	GSSI-Model No. EMP-400 S. No. 200
		Inspired Emergency Solutions for Portable power
		Adaptor Model STD 2427P
		Small Battery Charger (CH 5000)
18	Hydro-logger	2 Probes
		Connecting Cables
		Logging Wire
		Mobile Printer
		Printer Paper
19	Terameter	
20	KT-300 Thermometer	
21	Waterproof pen tester	
22	3d vision glasses	