




Annex 1- Specifications and quantities



დანართი 1 - ტექნიკური მახასიათებლები და რაოდენობა

Geological Equipment

	Item*	Quantity	Technical Specifications
1)	Geological Hammer 	4	<ul style="list-style-type: none"> • Rock Pick with Pointed Tip • Material: Steel • Smooth surface • Preferably with Shock Reduction Grip • Overall Length between 270-340mm • Overall weight between 300 -700 gr
2)	Hand lenses/Loupe for Geologists 	4	<ul style="list-style-type: none"> • Minimum 30x magnification option • At least 21 mm diameter lens • Folding housing • Second lens in one body favored • Storage case
3)	Geological Compass 	4	<ul style="list-style-type: none"> • Pendular clinometer (90°- 0°- 90°) for dip measurement • Initial oscillation of the needle with the possibility to be accelerated by arresting • Circular level, mirror, front and rear sight • 0°-360°, scale value 1° (with adjustable circle graduation and needle), vertical circle graduation 5°, preferably engraved exterior scale • Housing: aluminum • Between: 80 x 65 x 20 mm - 74x96x25 mm • Weight: below 500 g Favorable to have leather pouch included



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4)	<p>Test Hammer (for Rock)</p> 	4	<p>Rock Test Hammer/ rebound hammer measures the hardness, strength, and consistency of rock formations for the evaluation of engineering and geological properties. Type L-0.735 Nm impact energy</p>
5)	<p>Compass-Clinometer</p> 	4	<p>Liquid-filled precision compass and clinometer Preferred functions: Scales for inclination in degrees and % Optical reading of card for higher accuracy Threads for tripod mount for stable operation Pouch for the device to be included Minimum Requirements for Clinometer:</p> <ul style="list-style-type: none"> • Accuracy 1/4° • Graduation interval 0.5° • Scale: slope ±90°, slope % • Adjustable diopter • Liquid filled capsule for stable operation <p>Minimum Requirements for the Compass:</p> <ul style="list-style-type: none"> • Accuracy 1/3° • Graduation interval 0.5° • Scale: Azimuth 360°, Reversed 360° • Adjustable diopter • Liquid filled capsule for stable operation




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6)	<p>Water parameter (PH, Temperature, TDS) measurement</p> 	4	<ul style="list-style-type: none"> • Minimum requirement to test pH, TDS and temperature values • High accuracy • Automatic temperature compensation function • Ability to read the pH value of a sample across a broad temperature range of 0-60 degree Celsius minimum.
7)	<p>Petrological Microscope</p> 	4	<p>Binocular microscope with a transmitted light source and polarizing capabilities</p> <p>Technical Specification:</p> <ul style="list-style-type: none"> • Eyepieces: min. 10X • Objectives: range of 4X, 10X, 40X & 100X, achromatic strain-free, centerable objectives • Head: Binocular • Magnification range: diapason of 40X – 1000X • 360° rotatable stage • Light: Transmitted light source, with at least 6 volt, 20 watt halogen bulb
8)	<p>Handheld GPS</p>	4	<ul style="list-style-type: none"> • Handheld GPS with Wireless Connectivity • Built-in worldwide basemap with shaded relief • At least 1.5 GB of internal memory • Preferably Rugged and water-resistant design and sunlight-readable color display • High-sensitivity receiver with quad helix antenna and ideally multi-GNSS support (GPS, GLONASS and Galileo)


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			<ul style="list-style-type: none"> • 3-axis compass with barometric altimeter • Wireless connectivity • Battery life: 13 hours + • Camera that lets you geotag photos would be beneficial
9)	<p>Laser range finder</p> 	4	<ul style="list-style-type: none"> • Min 5x20 mm monocular • Anti-reflection coating • Fast and long-distance rangefinder engine (min. 200meters -500meters max.) • At least 4x range updates per second in scan mode • preferably reports the last range result when ranging distant targets • Features line of sight or angle modified range • Units in meters to preferably tenth Y/M resolution • Display. Favorable to have High Transmittance LCD display • Low-light performance, preferably night vision • Compact and lightweight
10)	<p>All-weather Universal Field Notebook</p> 	4	<ul style="list-style-type: none"> • Min. size – 3 in x 5 in – max. Size 4in x 6in • Page Pattern – Universal • Binding Spiral, preferably– Top wire Spiral • Cover – water-resistant • Number of Pages – at least 100 • Durable and practical

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11)	Map Case 	4	<ul style="list-style-type: none">• Water resistant case with PVC coating• Adjustable neck strap• Visible map area approximately 280 x 300 mm• Packed dimensions – approx. 300 x 170 mm• Lightweight
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*The specified photos were selected from the Internet and are for reference only.