
**Training and Safety Equipment for the Adventure Tourism
School, Gudauri**

**Project number/
cost centre:**

G-012310-001

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1. Procurement and Project Information

Project / Programme	VET in Georgia's Growth Sectors
Project Number	G-012310-001
Beneficiary / Delivery Location	Adventure Tourism School, Gudauri, Georgia
Purpose of Procurement	Procurement of training and safety equipment for the Adventure Tourism School, Gudauri
Desired Delivery Date	27 November 2026
Proposed Bid Submission Period	10 working days
Proposed Procedure	Open tender procedure

2. Schedule of Requirements

Lot 1 — Avalanche Simulation Kit

Quantity: 1 complete kit |

No.	Item / Component	Minimum functional and technical requirements	Size / Weight	Qty.
1	Instructor Control Unit	Central wireless controller operated by the instructor to activate/deactivate and manage multi-burial scenarios and track search times across target/transmitter units in real time. Operating frequency: 2.4 GHz; effective control range: at least 60 m line of sight; high-contrast, weatherproof backlit display readable in direct sunlight/snow.	Approx. 180 × 100 × 40 mm (±15 mm); <500 g	1
2	Avalanche Transmitter Training / Simulated Victim Units	Sub-surface signal emitters simulating standard avalanche transceivers. Signal frequency: 457 kHz, EN 300718 compliant; remotely switchable ON/OFF/Pulse via instructor control unit; IP67; impact-resistant casing suitable for temperatures down to -25°C.	Approx. 130 × 70 × 30 mm (±15 mm); <250 g each	8
3	Target Units	Mechanical strike-plate targets suitable for burial in snow/debris, with automatic electronic probe-hit feedback. Integrated impact/pressure sensor; visual feedback visible from 0.5–1 m in daylight or acoustic feedback of at least 70 dB(A) at 1 m; <u>at least IP68 or same/ higher standard sealed electronics resistant to probe impacts.</u>	Approx. 400 × 400 mm plate; thickness 15–25 mm (±15 mm); <1.5 kg each	8
4	Target Mounting / Attachment Devices	Heavy-duty anchors, snow stakes or tension straps to secure targets at variable depths/slopes in snow, turf or gravel. Corrosion-resistant anodized aluminium alloy or	Anchor length/span 400–600 mm; <250 g each	8

No.	Item / Component	Minimum functional and technical requirements	Size / Weight	Qty.
		stainless steel; adjustable depth and quick-release mechanism compatible with target units.		
5	Training Area / Ground Banner	Perimeter banner to mark and warn bystanders of an active training zone. UV-resistant, tear-proof heavy-duty PVC vinyl; reinforced brass grommets every 50 cm; high-visibility fluorescent orange/yellow and black with weatherproof print.	Length 2,000–3,000 mm; height 400–600 mm	1
6	Installation Manual	User guide covering hardware setup, software/pairing configuration, target burial guidance, maintenance and troubleshooting.	Laminated/weatherproof hard copy or digital PDF	1
7	Carrying / Storage Bag with Thermometer	Padded transport bag to protect and organize the complete kit. Water-repellent 1000D Cordura or same/ higher standard nylon, with foam padding and heavy-duty zippers, or heavy-duty plastic case; modular compartments suitable for all kit components.	Approx. 650 × 450 × 250 mm (±25 mm); complete kit max. 15 kg	1

Lot 2 — Avalanche Rescue Transceivers / Transmitters

Quantity: 6 units | |

No.	Item	Minimum functional and technical requirements	Size / Weight	Qty.
1	Standalone avalanche rescue transceiver with SEND and SEARCH modes	Signal frequency: standard 457 kHz, EN 300718 compliant; supports transmission and search/receive functions; IP67 dustproof/waterproof rating; impact-resistant housing suitable for temperatures down to –25°C; signal transfer distance at least 60 m.	Approx. 130 × 70 × 30 mm (±15 mm); <250 g each	6

Lot 3 — Radio Communication Repeater (Two-Way Radio Repeater)

Quantity: 2 sets | |

No.	Item / Component	Minimum functional and technical requirements	Size / Notes	Qty.
1	Core Unit: Two-Way Radio Repeater	High-reliability digital/analogue radio coverage extension for continuous voice and data communications. VHF 136–174 MHz or UHF 400–470 MHz; minimum 64 channels; support for	1U rack-mountable; approx. 44 × 483 × 370 mm (±15 mm); <8.6 kg	2

No.	Item / Component	Minimum functional and technical requirements	Size / Notes	Qty.
		analogue conventional, digital conventional (DMR), mixed mode, IP Site Connect, Capacity Plus and Capacity Max compatibility; operating temperature -30°C to +60°C; receiver sensitivity $\leq 0.22 \mu\text{V}$ (12 dB SINAD / 5% BER).		
2	Duplexer	High-rejection mobile/base duplexer matched to the selected VHF or UHF frequency range and TX/RX channel separation.	Compatible with the selected repeater and configured frequencies	2
3	Outdoor Base Station Antenna	High-gain omnidirectional base-station antenna with mounting hardware/brackets for mast deployment. Supplier to propose an antenna suitable for confirmed frequencies, installation height, terrain and intended coverage area; provide measured insertion loss, isolation and VSWR results at configured frequencies.	Include mounting hardware	2
4	Outdoor IP-Rated Enclosure Cabinet	Weatherproof, lockable outdoor enclosure rated IP65/IP66, suitable for wall or pole mounting, with cable-entry glands and passive/active ventilation.	IP65/IP66	2
5	Coaxial Cable and Connectors	RF coaxial cable (RG213 / equivalent) with supplied low-loss N-type crimp connectors.	20 m per set as indicated in source spreadsheet	2
6	Backup Power System	Uninterruptible power supply / backup power system with high-capacity deep-cycle AGM/Gel battery.	12 V, 100 Ah battery	2