

**Call for Service to procure
technical equipment**

FSM-2024-07-17

Solidarity Fund PL in Georgia is looking for a company to procure the equipment necessary for launching of the pilot project of REDI Wi-Fi service.

Service requested: procurement of networking equipment and fiber optic (passive) materials.

INTERNET ACCESS FLAGSHIP: Rural Empowerment through Digital Inclusion (REDI) is an EU funded project that Solidarity Fund PL in Georgia (SFPL in GEO) began implementing on December 1st, 2023, together with our partner - the e-Governance Academy from Estonia (eGA). By virtue of its innovative approach, this action will reduce the existing digital division and include those traditionally left behind by improving access to affordable digital infrastructure and developing digital literacy skills in rural areas of the target regions of Imereti, Guria, Racha-Lechkhumi, Kvemo Svaneti and possibly Kakheti.

When it comes to the **development of the connectivity infrastructure**, first of the two main directions of the project, it will be implemented as a follow-up of the Open Net Programme's project "Log-in Georgia" and will focus on providing access to the Internet and technology to inhabitants of rural areas from ≈200 selected villages from target regions. The second direction of the action centres around **promoting digital literacy** in the inhabitants of the rural areas of the selected target regions.

Within the first phase of the mentioned project, we shall be launching affordable public Wi-Fi zones in six villages of our target regions. This activity will serve as pilot for the project and will inform a bulk number of village launch, to come up on the later stage. With the aim to launch the pilot activities, we shall be procuring necessary Wi-Fi technical equipment based on criteria and specifications below:

1. Description of the equipment to be purchased:

WiFi Access points

Compatibility with WiFi standards:	IEEE 802.11a/b/g , IEEE 802.11n, IEEE 802.11ac, IEEE 802.11ax
WiFi operating mode:	Support for access point / bridge mode, router mode and repeater mode
MIMO technology with beamforming:	2.4GHz, 4x4, MU-MIMO and 5GHz, 4x4, MU-MIMO
Supported Radio Technologies:	802.11ax: Orthogonal Frequency Division Multiple Access (OFDMA) and 802.11ac/a/g/n: Orthogonal Frequency Division Multiple (OFDM) Dynamic frequency/channel selection
Maximum transmit power:	2.4 GHz band EIRP≤ 20 dBm, 5GHz band EIRP≤ 30 dBm, internal antennas
Supported networking:	Should support 802.1Q VLANs, DHCP server capability, Static IP for device management
WiFi coverage (radius in meters):	minimal 35 meters, unobstructed line-of-sight

Support for simultaneous users:	at least 100;
Installation:	Wall-Mountable/Pole-Mountable
Power:	IEEE 802.3af (PoE), IEEE 802.3at (PoE+) or IEEE 802.3bt (PoE++)
Connectivity (minimal):	GbE RJ45 port
Operating environment:	Temperature range: -30°C ~ +65°C, Humidity (non-condensing): 90% or less
System management and monitoring:	SNMP support
User authentication:	Support for captive portal for custom branding and messages. Option to limit access by time, data usage, or bandwidth. Compatible with iOS, Android, Windows, and macOS devices.
IP Rating	IP68
Surge protection	4KV
Compliance:	CE Mark (declaration of conformity) and RoHS compliant

Outdoor rack cabinets

Cabinet size and dimensions:	Should accommodate equipment 6 RU, Width: 600mm Depth: 450mm
Environmental protection:	IP65
Material:	Steel, 1.5mm or more, with earthing
Coating:	Powder coated, light grey colour
Cooling:	2 fans
Lock type:	Padlock

Uninterruptable power source

UPS power output:	At least 100w
UPS type:	Online, single phase
Form factor:	Rack mountable 2U max
Runtime on battery (at 100w load):	Minimum 4 hours
Management:	Management and status monitoring ethernet port
Input power ranges:	120-300 VAC, 40Hz~70Hz
Operating environment:	Temperature range: 0°C ~ +40°C, Humidity (non-condensing): 90% or less

Fiber optical ADSS drop cable

Fiber Core:	1
Fiber standard:	G.652D
Outer Jacket Material:	LSZH
Steel wires OD.:	FRP strength rod

Fiber optical all dielectric self-supporting cable

Fiber Core:	24
Fiber standard:	G.652D
Outer Jacket Material:	LSZH
Cable Structure:	Multi Tube (6 or 4 Cores per Tube)
Type:	ADSS - Full dielectric, Self Supporting
Central Strength Member:	FRP 1.6mm diameter
Max allowable tension(N)	2000
Protection:	Aramid Yarns
Attenuation at 1310nm:	0.35db/km max after cabling
Attenuation at 1550nm:	0.21db/km max after cabling

Switch on the ISP side

Switching Capacity	Up to 52 Gbps
Forwarding Rate	Up to 38.7 Mpps
Number of Ports (minimum):	4 Gigabit Ethernet ports and 3 10-Gigabit SFP+ ports (L3 capability on all ports)
VLAN Support	Supports IEEE 802.1Q VLAN tagging
Routing Protocols	Supports static routing, OSPF
Layer 3 Features	Supports IPv4 and IPv6 routing, multicast routing (IGMP)
Quality of Service (QoS)	Supports traffic prioritization, bandwidth management, up to 8 queues per port
Security Features	Supports ACLs, 802.1X authentication, DHCP snooping, IP source guard
Redundancy and Resiliency	Supports STP (IEEE 802.1D, 802.1w, 802.1s)
Management	CLI, SNMP (v1, v2c, v3), RMON, syslog
Power Supply	Internal power supply
Dimensions	Standard 19-inch rack-mountable 1RU

Operating Temperature	0°C to 40°C
Humidity	Operating humidity 10% to 95% non-condensing
Warranty	5 year
Compliance	RoHS, FCC Class A, CE, UL

2. Amounts of the equipment and materials that will be subject of current purchase:

Equipment	Total quantity
WiFi access point (pcs)	6
Rack Cabinet (pcs)	6
Switch (pcs)	6
UPS (pcs)	6
Drop Cable (meters)	2250
ADSS Cable (meters)	4200
Pole Installation (pcs)	21

3. Place(s) of Assignment

Tbilisi, in the location appointed by the contracting authority.

4. Duration of the assignment:

Upon request during the year of 2024, December 31st (including) with possible term of extension, subject to terms and conditions of the agreement to be signed between parties.

5. Minimum requirements for the consideration of the offer:

Offers that do not meet minimum requirements will be excluded on a formal basis.

5.1 Minimum requirements for all equipment:

- Manufacturer of the equipment must be present on the international market or be a licensed representative/reseller of the company dully authorized by the manufacturer presented on the international market for 5 or more years (dealer certificate or manufacturer authorization proof can be requested).
- Manufacturer’s warranty terms for the equipment must be at least 3 years after date of delivery with possibility of extension for minimum 1 year.

- Bidder should provide 24 hour response time in case warranty circumstances have occurred and should be able to provide repair service or replacement unit in a course of another 72 hours. Any equipment with factory/production defect should be returned with a full refund.
- Delivery time for the equipment: no later than 30 calendar days upon the signature of the contract. Early delivery will be considered an asset.
- Bidder should be able to provide all the equipment requested in the Call for Service.

5.2 Criteria specifically for outdoor rack cabinets besides the minimum requirements indicated above:

- Rack cabinet should be delivered fully assembled.

5.3 Criteria specifically for uninterruptable power sources and batteries besides the minimum requirements indicated above:

- Warranty term for UPS should be 3 years, for batteries – 1 year.

5.4 Criteria specifically for fiber optical all dielectric self-supporting cable:

- Each type of the cable must be supplied with all necessary materials and components for hanging cable on the electrical poles including cable holders, anchor clamps, brackets, etc.: one set for each 25 meters of cables supplied.

6. Assessment criteria for the selection of the most advantageous tender (max. 75 points)

6.1 Number of years on the international market or of authorization from the manufacturer (max. 15 points)

- 5 to 10 years – 5 points
- 10 to 12 years – 10 points
- 12 or more years – 15 points

6.2 Warranty terms for equipment (max. 10 points)

- 3 to 5 years – 5 points
- 5 to 10 years – 10 points

6.3 Delivery time (max. 15 points)

- 30 calendar days upon signature of the contract – 5 points
- 15 calendar days upon signature of the contract – 10 points
- 10 calendar days upon signature of the contract – 15 points

6.4 Price (max. 35 points)

Assessment under the criterion „price” will be based on the following formula:

$P = P_{min} / P_{of} \times 35$ points

where:

P_{min} - the lowest proposed price

Pof – price presented in the examined offer

P – the number of points awarded to the examined offer under the price criterion, rounded to the full number.

All prices must be submitted in GEL, excluding VAT.

7. Settlements between the Contracting Authority and the Contractor will be conducted in GEL or the equivalent as will be set out in the contract signed with the most advantageous tender.

8. The application must contain **Fiscal Statement** and **Application FORM** (templates attached), signed and scanned in PDF format.

9. SUBMISSION

Application must be submitted no later than September 9, 2024 24:00 Tbilisi time to the email address: redi@solidarityfund.pl

Questions regarding the call for proposals, can be directed to redi@solidarityfund.pl before expiration of the deadline.

10. The contracting authority will reject any tenders/questions submitted after the deadline for submission of tenders.

11. Information on the outcome of the procedure will be sent to the e-mail address indicated by the applicant and will be published on Solidarity Fund PL_GEO Facebook <https://www.facebook.com/solidarityfund.ge> and <https://participatoryhub.ge/>

Please be advised that by submitting an application you agree to share the content of the application with other applicants who could submit an appropriate request to the SFPL (except for personal data, which will be anonymized).

12. A contract will be signed with the selected contractor/contractors.

13. The Contractor(s) whose tender was selected as the most advantageous shall be informed by the Contracting Authority about the place and date of signing the contract.

14. Prior to concluding the contract, the Contractor shall provide all information necessary to complete the content of the contract at the request of the Contracting Authority.

15. If the Economic Operator(s) whose tender(s) was selected as the most advantageous evades the conclusion of the contract, the Contracting Authority may re-examine and evaluate the tenders from among the tenders of the remaining Economic Operators in the procedure or cancel the procedure.

16. Persons representing the Economic Operator at the time of signing the contract should present documents confirming their authorisation to represent the Economic Operator, if such authorisation does not result from the documents attached to the tender.

17. Solidarity Fund PL, provides equal opportunity and fair and equitable treatment in employment to all people without regard to race, colour, religion, sex, national origin, age, disability, political affiliation, marital status, protected genetic information, or sexual orientation.

18. Please be advised that the administrator of personal data contained in the submitted applications is the Solidarity Fund PL with headquarters in Warsaw, ul. Myslowicka 4, 01-612 Warsaw. The data will be processed on the basis of art. 6 clause 1 point. c of the Polish law on personal data protection for the purpose related to public procurement procedure. You have the right to access the personal data provided, the right to rectify personal data and the right to request the administrator to limit the processing of personal data, subject to the cases referred to in art. 18 clause 2 of the law. You have the right to lodge a complaint with the President of the Office for Personal Data Protection. The data controller is Solidarity Fund PL in Georgia, 20 Chavchavadze Avenue, Apartment #3, floor 2, 0179 Tbilisi, Georgia. To exercise your rights, please contact the SFPL in Georgia directly at georgiarep@solidarityfund.pl – we are committed to protecting your rights to the best of our ability.