

TERMS OF REFERENCE

Technical Equipment

FSM-2025-02-05

Solidarity Fund PL in Georgia is looking for a company to procure the technical equipment necessary for launching affordable public Wi-Fi zones in target regions of the REDI project.

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 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 ~250 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.

Service requested: procurement of networking equipment and fibre optic (passive) materials based on criteria and specifications indicated below:

1. Description of the equipment to be purchased:

WiFi Access point

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| 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 |
| 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++) |

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|-----------------------------------|--|
| 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 |

Additional specification(s) for WiFi access point:

- Each access point must be supplied with wall and pole fasteners.
- Each access point must be supplied with PoE injector (220V) fully compatible with access point.

Outdoor rack cabinet with a built-in key lock mechanism

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

Additional specification(s) for outdoor rack cabinet:

- Rack cabinet should be delivered fully assembled.
- Rack cabinet should have a 5 outlet power strip.

Uninterruptable power source

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| UPS power output: | At least 150W |
| UPS type: | Line interactive, single phase |
| Form factor: | Free standing / Tower |
| Runtime on battery: | Minimum 1 hour for all proposed active networking equipment |
| Power connection: | At least 2 x CEE 7/4 (Schuko) |
| Input power ranges: | 165-290 VAC, 40Hz~70Hz |

Additional specification(s) for uninterruptable power source:

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

Fiber optical all dielectric self-supporting cable

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| Fiber Core (minimum): | 2 |
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| Fiber standard: | G.652D |
| Outer Jacket Material: | HDPE |
| Type: | ADSS - Full dielectric, Self Supporting |
| Strength Member: | FRP rods |
| Max allowable tension(N) | At least 1.4KN |
| Certification | IEC-60794-1-2 |

Additional specification(s) 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.
- Cable must have an outer sheath marking "EU REDI" along with standard manufacturer's markings.
- Cable must withstand extreme weather conditions from -30 to 60°C.

Router

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| Number of Ports (minimum): | 2 10/100/1000 Ethernet ports and 1 SFP ports |
| VLAN Support | Supports IEEE 802.1Q VLAN tagging |
| Routing Protocols | Supports static routing, OSPF |
| Features | Supports IPv4 and IPv6 routing, DHCP server and client, NAT |
| Management | CLI, SNMP (v1, v2c, v3), RMON, Syslog |
| Power Supply | External or internal power supply |
| Power consumption (maximum) | 25W |
| Operating Temperature | -20°C to 50°C |
| Humidity | Operating humidity 10% to 95% non-condensing |
| Warranty | 5 years |
| Compliance | RoHS, CE, EAC |

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

| Item | Quantity |
|--|----------------|
| WiFi Access point | ≈ 185 pcs |
| Outdoor rack cabinet | ≈ 185 pcs |
| Uninterruptable power source | ≈ 185 pcs |
| Fiber optical all dielectric self-supporting cable | ≈ 59600 meters |
| Router | ≈ 185 pcs |

Disclaimer: The winning bidder should be able to deliver more amounts of the equipment and materials than designated herein, if the contracting authority requires such an addition. The delivery of additional equipment and materials should be processed within the time frame agreed between the parties, but no later than 60 calendar days within such an order.

3. Place(s) of Assignment

Tbilisi, and/or Georgian regions, in the location appointed by the Contracting Authority.

The Contracting Authority and the owner of the winning bid will additionally negotiate on terms of pick-up or shipping of the equipment from bidders' premises.

4. Duration of the assignment:

Upon request during the year of 2025, December 31st (including) with possible term of extension, and/or complete fulfillment of the contractual duties by both parties - 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:

- Applicant (if same as manufacturer) must be present on the international market for at least 5 years **or** be an authorized representative/reseller of the manufacturer presented on the international market for at least 5 years, considering that such venture (dealership agreement) has a tenure of more than 2 years (dealer certificate or manufacturer authorization proof is requested by the Contracting Authority along with the application form).
- The manufacturer's warranty terms for the equipment must be at least 3 years after the date of delivery with possibility of extension for a minimum of 1 more year. (If this specification is different from those declared, under the "Additional Specifications", the latter shall prevail)
- 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 replaced at once or returned with a full refund.
- **Delivery time for the equipment:** The precise delivery terms and equipment to be delivered for the concrete portion of time shall be agreed additionally by the parties. However, the applicant must

demonstrate readiness to procure and make available all the requested equipment no later than 60 calendar days upon the signature of the contract. (Early delivery will be considered an asset)

- **Space to store the equipment before the handover:** The applicant must demonstrate readiness to keep the equipment secure and in a safe environment within its premises before official handover to the Contracting Authority.
- The applicant must demonstrate readiness to provide a packing list containing the name, quantity, price, packaging type, size/volume and weight of the equipment.
- Bidder should be able to provide all the equipment and materials requested in the Terms of Reference.
- The equipment should comply with the descriptions and specifications indicated under point 1 of the Terms of Reference.
- The winning bidder should be able to deliver more amounts of the equipment and materials than designated in point 2 of the Terms of Reference, if the contracting authority requires such an addition. The delivery of additional equipment and materials should be processed within the time frame agreed between the parties, but no later than 60 calendar days within such an order.

6. Assessment criteria for the selection of the most advantageous tender (max. 70 points)

6.1 the number of years applicant has been present on the international market (if applicant is same as manufacturer) **or** years of authorization to be representative/reseller of the manufacturer on the international market, considering that such venture (dealership agreement) has a tenure of more than 2 years (max. 15 points)

- 5 to 10 years present on in the int. market as a manufacturer **or** 2 to 5 years as an authorized representative/reseller – 5 points
- 10 to 12 years present on in the int. market as a manufacturer **or** 5 to 10 years as an authorized representative/reseller – 10 points
- 12 or more years present on in the int. market as a manufacturer **or** 10 or more years as an authorized representative/reseller – 15 points

6.2 Warranty terms for equipment (max. 10 points)

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

6.3 Delivery time (max. 10 points)

- 45 calendar days upon signature of the contract – 5 points
- 30 calendar days upon signature of the contract – 10 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, in Gross 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, signed and scanned in PDF format. Click [here](#) to download the template.
- Application Form, signed and scanned in PDF format. Click [here](#) to download the template.

9. SUBMISSION

Application must be submitted no later than April 11, 2025 23:59 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. Q&A session

Information on the online Q&A session will be published on Solidarity Fund PL in Georgia's [Facebook page](#).

The results of the Q&A session will also be subsequently published.

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

12. Information on the outcome of the procedure will be sent to the e-mail address indicated by the applicant and will be published on <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).

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

14. 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.

15. 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.

In the course of examination and evaluation of tenders, the Contracting Authority may demand explanations from Economic Operators regarding the contents of submitted tenders.

The Contracting Authority shall correct in the tender:

- A) obvious typing errors,
- B) obvious calculation errors, taking into account the calculation consequences of the corrections made,
- C) other errors consisting in the inconsistency of the offer with the ToR, not causing significant changes in the offer content, immediately notifying thereof the Economic Operator whose bid has been corrected.

16. 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.

17. 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.

18. To download the Model Agreement, click [here](#).

19. 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.

20 Please be advised that the administrator of personal data contained in the submitted applications is the Solidarity Fund PL with headquarters in Warsaw, ul. Mysłowicka 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.