

Technical specifications

Procurement of 40 bioacoustic recorders for the automatic recording of bird calls

Tender Ref. No.: BE-26-36341200-430-ZBT1-1

Contracting Authority:
Technische Universität Berlin, Die Präsidentin
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1 DESCRIPTION OF THE SUPPLIES

The Technical University of Berlin (TU Berlin, the contracting authority) intends to procure 40 bioacoustic recorders with microphone(s) for the automatic recording and digital storage of bird calls, housed in waterproof cases for outdoor use.

2 TECHNICAL REQUIREMENTS (MINIMUM REQUIREMENTS)

The performance characteristics listed below as “minimum requirements” must be fully met. They describe the required intended use in functional and product-neutral terms.

Compliance with each minimum requirement must be clearly evident from the submitted technical documentation. Failure to provide complete or verifiable evidence of compliance with minimum requirements will result in the exclusion of the bid.

Only brand-new devices from current series production may be supplied. Refurbished devices, returned items, and gray-market imports are excluded.

The bioacoustic recorders must meet at least the following requirements:

Evidence must be provided in the form of manufacturer data sheets, excerpts from manuals, application reports, test reports, or equivalent suitable technical documentation.

- A battery life of more than 500 hours in standby mode must be achievable when using the batteries specified by the manufacturer for the device, in order to enable recording over several weeks without maintenance. The operating conditions and settings specified by the manufacturer must be stated in the offer.
- The device must have interchangeable external microphones; built-in microphones do not meet this requirement.
- The device must come with at least one microphone that is compatible with it and suitable for recording bird calls.
- The device must be capable of making stereo recordings using at least two recording channels.
- The device must have a waterproof housing.
- The total weight of the device when ready for use, including the battery(ies) and the included microphone, must not exceed 600 g.
- It must be possible to save the recordings to removable memory cards.
- Geo-tagging of audio recordings: The recorder has a GPS receiver and determines its location, or the location is saved via a smartphone when the recorder is set up. The coordinates can then be saved with the recordings or stored in their metadata.

3 WARRANTY

A warranty of at least 24 months from the date of acceptance must be provided for the entire system, including all delivered components.

4 DOCUMENTATION

The delivery must include a German- or English-language operating manual, technical data sheets, safety and maintenance instructions, and the EU Declaration of Conformity, either in digital or paper form.

5 PLACE OF DELIVERY

Technische Universität Berlin, Rothenburgstraße 12, 12165 Berlin, Germany

6 EXCLUSION CRITERIA (DOCUMENTS TO BE SUBMITTED)

The following documents must be submitted in full with the bid. Missing or unclear evidence of compliance with minimum requirements will result in disqualification.

- Detailed offer including manufacturer, model number, complete scope of delivery, and technical data sheets.

7 DEADLINES/ PERIODS OF PERFORMANCE

Start of execution: Delivery may take place as of the date the order is placed (expected to be October 12, 2026).

End of execution: Delivery and handover in ready-to-operate condition must take place no later than four weeks after the order is placed.

The agreed deadlines are binding. TU Berlin must be notified immediately of any foreseeable delays in delivery or service, stating the cause and the expected new delivery date.

8 AWARD CRITERIA AND THEIR WEIGHTING

The contract will be awarded to the most economically advantageous, eligible bid. The evaluation will be based exclusively on the documents submitted with the bid. The total bid price will be weighted at 100%.