Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
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Swiss Agency for Development and Cooperation SDC

GROUNDWATER MANAGEMENT, USE AND PROTECTION PROGRAMME (GWP) IN NORTH MACEDONIA

Phase 1
January 2024 – December 2027

Procurement of equipment for laboratory analyses

RFO 02-2026

Request for Offers

March 2026

SKAT Partners for Impact

Point Pro Consulting

Table of Contents

1. INVITATION FORM 3
2. DESCRIPTION OF REQUIREMENTS 5
Annex 1: Terms of Reference 7
Annex 2: Bidder Submission Form 8
Annex 3: Bidder Information Form 9
Annex 4: Technical Offer Form 10
Annex 5: Financial Offer Form 14
Annex 6: Evaluation Criteria 15
Annex 7: General Terms and Conditions for Contracts 20

1. INVITATION FORM

Programme title:	Groundwater Management, Use and Protection Programme (GWP) in North Macedonia – Phase 1
Reference:	**Request for Offer: Procurement of equipment for laboratory analyses (RFO __-02-2026)**
Internal code:	*3.2.1 Designing implementation of hydrological, hydrogeological and other background research and monitoring system related to surface and groundwater resources in the Vardar River Basin*
Type of contract:	Contract for Goods
Duty station:	Skopje, North Macedonia
Duration of contract:	Up to 2 months
Announcement date:	11 March 2026
Submission deadline:	25 March 2026 16.30 CET

Dear Sir / Madam:

The "Groundwater Management, Use and Protection Programme (GWP)"[1] (hereinafter the Programme or GWP) kindly invite you to submit your Offer[2] in MKD (VAT excluded) for **RFO 02-2026 for Procurement of equipment for laboratory analyses**. The proposal must be submitted electronically **before 16.30 CET on 25 March 2026** to the following dedicated email:

northmacedonia@skat.ch

Please note that technical and financial offers must be submitted electronically to the dedicated email.

Please use the following e-mail subject: RFO 02-2026 Procurement of equipment for laboratory analyses

The technical offer must be submitted in one PDF document. The financial offer must be submitted in one file as well and encrypted with a password. The financial offer shall be DIGITALLY signed or signed and scanned in the .pdf format.

Max. size of uploaded files (per document) must not exceed 20 MB

Password for Financial Offer shall be provided to GWP ONLY upon conclusion of the deadline and required by e-mail[3].

Companies failing to meet this requirement will be disqualified. Your Offer must be valid for a minimum period of 30 days, after the deadline of the submission of the proposals.

In the course of preparing your Offer, it shall remain your responsibility to ensure that it reaches the email address above on or before the deadline. Offers that are received after the deadline indicated above, for whatever reason, shall not be considered for evaluation.

[1] *The Groundwater Management, Use and Protection Programme (GWP) is owned by the Government of Switzerland and implemented by the consortium of Skat Consulting Ltd (Switzerland) and PointPro Consulting (North Macedonia)*.
[2] Please be guided by the form attached hereto as **Annex 2**, in preparing your Proposal.

[3] Password protection of a PDF document can be done by using free software, such as Adobe Reader for example. Open the PDF and choose Tools > Protect > Encrypt > Encrypt with Password. Companies that will pass the technical evaluation will be approached by GWP to share the passwords to the financial offers.

Goods proposed shall be reviewed and evaluated based on completeness and compliance of the Offer and responsiveness with the requirements of the RFO and all other annexes providing details of this procurement.

Any discrepancy between the unit price and the total price shall be re-computed by the GWP Programme, and the unit price shall prevail, and the total price shall be corrected. If the Bidder does not accept the final price based on GWP's re-computation and correction of errors, its Offer will be rejected.

No price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by the GWP after it has received the Offer.

Any contract that will be issued as a result of this RFO shall be subject to the General Terms and Conditions indicated herein. The mere act of submission of an Offer implies that the Service Provider accepts without question the General Terms and Conditions of the GWP (see Annex 7).

Please be advised that the GWP is not bound to accept any Offer, nor award a contract, nor be responsible for any costs associated with a Bidder preparation and submission of an Offer, regardless of the outcome or the manner of conducting the selection process.

The GWP encourages every prospective Bidder to prevent and avoid conflicts of interest, by disclosing to the GWP if you, or any of your affiliates or personnel, were involved in the preparation of the Terms of References, or other requirements, cost estimates, and other information used in this RFO.

Thank you and we look forward to receiving your Offer.

2. DESCRIPTION OF REQUIREMENTS

1	**Brief Description of the Required Goods**	Procurement of equipment for laboratory analyses
2	**Deadline for the Submission of Offer**	25 March 2026, 16:30 CET
3	**Expected duration of contract (delivery period)**	2 months upon signing of the contract, including the period of delivery
4	**Target start date**	01 April 2026
5	**Estimated completion date/Delivery of the goods**	The latest 30 June 2026
6	**Language of the Offer**	English
7	**Currency of Offer**	☐ Other currency (if required) ☐ CHF ☒ MKD
8	**Value Added Tax on Price Proposal[4]**	☐ must be inclusive of VAT and other applicable indirect taxes ☒ must be exclusive of VAT and other applicable indirect taxes
9	**Validity Period of Proposals *(Counting for the last day of submission of quotes)***	☒ 60 days ☐ 90 days ☐ 120 days In exceptional circumstances, GWP may request the Bidder to extend the validity of the Offer beyond what has been initially indicated in this RFO. The Offer shall then confirm the extension in writing, without any modification whatsoever on the Offer.
10	**Partial Quotes**	☐ Not permitted ☒ Permitted - **Bids per one or more LOTS are permitted**
11	**Payment Terms[5]**	**Instalment** / **Deliverable** / **Tentative timeline** (months upon signing of contract) **100%** / Paid upon delivery and technical acceptance of the goods / One (1)
12	**Type of Contract to be Signed**	☐ Contract for Professional Services – Long Term Agreement ☒ Other Type of Contract [Contract for Goods]
13	**Evaluation Method**	☒ The contract will be awarded to the bidder with the technically satisfactory offer and the lowest price. ☒ Full acceptance of GWP's General Terms and Conditions (GTC). This is a mandatory criterion and cannot be cancelled regardless of the type of services requested. Non-acceptance of the GTC may be a reason for rejection of the offer.
14	**Criteria for the Assessment of Offer**	Full compliance with all requirements as specified in Annex 1
15	**GWP will award the contract to**	☐ One and only one Service Provider ☒ One or more Service Providers, depending on the following factors: **partial quotations per LOTs are allowed**

[4] The GWP is VAT exempt in the country and all activities implemented by the Programme directly or through contracts are also VAT exempt.

[5] The GWPs preference is not to pay any amount in advance upon signing of contract. If the Service Provider strictly requires payment in advance, it will be limited only up to 20% of the total price quoted. For any higher percentage, or any amount advanced exceeding CHF 30,000, the GWP shall require the Service Provider to submit a bank guarantee or bank cheque payable to the GWP, in the same amount as the payment advanced by the GWP to the Service Provider.

16	**Contract General Terms and Conditions[6]**	General Terms and Conditions for contracts (goods and/or services)
17	**Annexes to this RFO[7]**	☒ Annex 1: Terms of Reference ☒ Annex 2: Bidder Submission Form ☒ Annex 3: Bidder Information Form ☒ Annex 4: Technical Offer Form ☒ Annex 5: Financial Offer Form ☒ Annex 6: Evaluation Criteria ☒ Annex 7: General Terms and Conditions for Contracts
18	**Contact for Inquiries (Written inquiries sent by email only)[8]**	**Email to: northmacedonia@skat.ch** Any delay in the GWP's response shall be not used as a reason for extending the deadline for submission unless the GWP determines that such an extension is necessary and communicates a new deadline to the Proposers.
19	**Deadline for Submission of requests for clarification**	5 working days before the deadline for submission of offers.
20	**Manner of Disseminating Supplemental Information to the RFO and responses/clarifications to queries**	By e-mail to the requesting bidder
21	**Conditions for Release of Payment**	☒ Completion of unboxing, and testing of the equipment ☒ Written Acceptance of Goods, Services and Works, based on full compliance with RFO requirements ☐ Others:
22	**Documents to be submitted**	☒ Copy of the registration from relevant Registry in the country of origin defining the constitution or legal status, place of registration, and principal place of business; (no translation required) ☒ Annex 2: Bidder Submission Form ☒ Annex 3: Bidder Information Form ☒ Annex 4: Technical description of items: Full detail including technical and performance characteristics and exact model and country of origin and enclosed catalogue if available ☒ Proof of after-sales service and maintenance capacity and appropriateness of service network in the form of a statement for the availability of after sales services in the warranty period . ☒ Warranty statement for all items listed in the specification (warranty statement is required for all offered goods) ☒ Annex 5: Financial Offer Submission Form ☒ Quality Certificate (e.g., ISO, etc.) and/or other similar certificates, accreditations, awards, and citations received by the Bidder, if any
23	**Delivery of goods**	The selected company shall distribute the goods to the beneficiary upon prior coordination with the program.

[6] Service Providers are alerted that non-acceptance of the terms of the General Terms and Conditions (GTC) may be grounds for disqualification from this procurement process.

[7] Where the information is available in the web, a URL for the information may simply be provided.

[8] This contact person and address is officially designated by the GWP. If inquiries are sent to other person/s or address/es, even if they are GWP staff, the GWP shall have no obligation to respond nor can the GWP confirm that the query was received.

Annex 1: Terms of Reference

PART A: BACKGROUND

The Swiss-funded ***Groundwater Management, Use and Protection Programme (GWP)*** aims at supporting North Macedonia in establishing a sustainable long-term, multi-level, and systematic groundwater management that enables collaborative, effective, and more transparent use of the groundwater resources.

The GWP stakeholders/partners include institutions at central governmental level, research and academia as well as local institutions (e.g. municipalities, public utilities), civil society organisations and the private sector. The **consortium of Skat Consulting and PointPro Consulting** has been mandated by the **Swiss Embassy** in the Republic of North Macedonia to implement Phase 1 of the GWP from Jan 2024 – Dec 2027. Two additional subsequent phases may follow subject to successful implementation of the Programme's first phase and fulfilment of the overall commitment of its main national partners.

Skat Consulting Ltd. Is a owner-operated leading Swiss company specialising in international cooperation and is dedicated to making available basic services and ensuring dignified living conditions and a healthy environment for all. Skat Consulting supports governments, the private sector and civil society around the globe in improving people's lives by facilitating lasting solutions in water, building, energy and governance.

PointPro Consulting d.o.o. is a leading management consulting company based in Skopje since 2006 incorporating two business areas: (a) Infrastructure and Sustainable Development and (b) Management Consulting and Corporate Finance.

To facilitate the implementation of the Programme, on a day-to-day basis, a so-called **Programme Facilitation Unit** (PFU) will be hosted together by the Skat Consulting Branch in Skopje and PointPro Consulting. The PFU is responsible for direct implementation of activities.

The Swiss-funded Groundwater Management, Use and Protection Programme (GWP) aims to build long-lasting groundwater governance capacities at national and local levels so that North Macedonia can take appropriate and effective actions to sustainably manage its groundwater resources to achieve its social and economic development goals while avoiding irreversible degradation of its aquifer systems. The overall objective of the GWP is to strengthen relevant authorities and raise awareness among civil society to implement the provisions of an integrated framework coherent with the requirements of the EU environmental acquis for the sustainable management of ground-water resources in a changing climate.

PART B: TECHNICAL SPECIFICATIONS

For the purposes of supporting the implementation of the initial surveillance monitoring program envisioned to be done by the Hydrometeorological Service and providing additional technical support for field and laboratory analyses with involvement of the Laboratory for Macroinvertebrates from Institute of Biology, the following necessary equipment needs to be procured:

1. Molecular biology thermal cycler
2. Gel documentation hood screen system with camera
3. Molecular biology DNA/RNA UV-cleaner workstation (PCR cabinet)
4. Real Time Gel Visualisation System
5. Electrophoresis Power Supply

For more detailed technical specification, please follow the template provided under Annex 4: Technical Offer Form that should be completed by the bidder.

Annex 2: Bidder Submission Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
RFO reference:	[Insert RFO Title]		

We, the undersigned, offer to provide the services for [Insert Title of services] in accordance with your Request for Offer No. [Insert RFO Reference Number] and our Offer. We are hereby submitting our Offer, which includes this Technical Offer and our Financial Offer sealed under a separate envelope.

We hereby declare that our firm, its affiliates or subsidiaries or employees, including any JV/Consortium /Association members or subcontractors or suppliers for any part of the contract:

1. have no conflict of interest in accordance with Instruction to Bidders Clause 4;
2. have not declared bankruptcy, are not involved in bankruptcy or receivership proceedings, and there is no judgment or pending legal action against them that could impair their operations in the foreseeable future;
3. undertake not to engage in proscribed practices, including but not limited to corruption, fraud, coercion, collusion, obstruction, or any other unethical practice, and to conduct business in a manner that averts any financial, operational, reputational or other undue risk to the GWP.

We declare that all the information and statements made in this Offer are true and we accept that any misinterpretation or misrepresentation contained in this Offer may lead to our disqualification.

We offer to provide services in conformity with the Bidding documents, including the General Conditions of Contract and in accordance with the Terms of Reference.

Our Offer shall be valid and remain binding upon us for the period of time specified in the Bid Data Sheet.

We understand and recognize that you are not bound to accept any Offer you receive.

I, the undersigned, certify that I am duly authorized by [Insert Name of Bidder] *to sign this Offer and bind it should GWP accept this Offer.*

Name: _____

Title: _____

Date: _____

Signature: _____

[*Stamp with official stamp of the Bidder*]

Annex 3: Bidder Information Form

The legal name of Bidder	
Legal address	
Year of registration	
Bidder's Authorized Representative Information	
Country/ies of operation	
No. of full-time employees	
Quality Assurance Certification[9] (e.g. ISO 9000 or Equivalent) (*If yes, provide a copy of the valid Certificate):*	
Does your Company hold any accreditation such as ISO 14001 related to the environment? *(If yes, provide a copy of the valid Certificate):*	
Person the GWP may contact for requests for clarification during the Offer evaluation	

[9] The possession of such certification is not a mandatory requirement. However, it may result in acquiring slightly higher score on the Bidder's qualifications, capacity and experience assessment.

Annex 4: Technical Offer Form

The technical documentation should clearly indicate (highlight, mark) the models offered and the options included, if any, so that the evaluators can see the exact configuration. Offers that do not permit to identify precisely the models and the specifications may be rejected by the evaluation committee.

The offer must be clear enough to allow the evaluators to make an easy comparison between the requested specifications and the offered specifications.

Since for this RFO, partial quotations are permitted, **the bidders can submit their financial offer for more than one LOT**, if the bidder is able to meet the minimum technical requirements.

IMPORTANT NOTES:

- **Please note that the given specifications are the minimum requirements that must be met by your Offer.**
- **Failure to fulfil one of these requirements is considered grounds for disqualification**
- **Offerors must provide:**
    - **Catalogues and brochures proving technical specifications.**
    - **Authorized service certificate for North Macedonia**
    - **Delivery must include equipment supply, installation, and training with certification for trained personnel**

The GWP will not accept any specification that is below these requirements. You may, however, offer better performance and higher specifications. The contract will be awarded to a company/companies that will meet the specifications and offer the lowest price.

• **Warranty to be provided for all LOTS**

LOT	Quantity (pieces)	Description/Specification of goods
Lot 1	1	**Molecular biology thermal cycler** • High Performing Thermal Cycler • Block Format 0.2 ml x 96 • Interchangeable Sample Holder • Heating/cooling method: block solid state modules/cover: ceramic heater • Temperature control in range of 4.0°C - 99.9°C • Temperature control accuracy: ±0.1°C • Well temperature distribution: maximum up ±0.5°C • Gradient temperature setting: maximum up to 30°C • Heating rate with maximum of 3.5°C/sec • Cooling rate with maximum of 3.0°C/sec. • Temperature ramping with range of 0.1°C - 30.0 °C/cycle • Maximum number of cycles: 99 cycles/segment • Number of reaction temperature steps: 25 • Interface display for presentation of the measurements with possibility for various data presentation and edition (creation, edition, graphic view) • Memory card slot interface for data exchange • Power supply: regular • Warranty: Minimum 1 Year

Lot 2	1	**Gel documentation hood screen system with camera** • Camera: Digital camera with a minimum resolution of 24 MP, equipped with a high-sensitivity CMOS sensor. • Monitor: Color TFT display with a minimum size of 8 inches and a resolution of at least 1920 x 768 pixels. • Illumination: Inner white light provided by two 3W LED lamps. • Access: Easy access door with built-in inner lights for enhanced visibility. • Safety Features: Safety switches that disconnect the UV source when the easy access door is opened. • Transilluminator: Supplied with dual wavelength formats of 312 nm and 365 nm. • Image Transfer: Wi-Fi capability for transferring images to a PC or smart device. • Software: Image analysis software included with the system. • Storage Compatibility: Supports SD, SDHC, and SDXC storage types with UHS Speed Class 1 compatibility. • Viewing Area: UV transilluminator viewing size of at least 21 x 21 cm. • Warranty: Minimum 1 year
Lot 3	1	**Molecular biology DNA/RNA UV-cleaner workstation (PCR cabinet)** • Walls material (Rear: stainless steel, Sides: steel with chemical resistant powder coating Front: glass) • Working surface material: Stainless steel • Open UV-lamp: 1 x 25W with built-in bactericidal UV-C 1 x 25W • UV-recirculator: 1x25W with efficiency >99% per hour • UV radiation level: 18 mW / cm2 / sec • Daylight lamp (for working area illumination)1 x LED-Minimum 8W • Ozone free radiation type: UV (λ = 253.7 nm) • Digital time setting of direct UV exposure with minimal range from 1 min–24 hrs. and option for continuous work (increment of maximum 1 min) • Thickness of side panels minimum 2 mm • Thickness of upper front panel minimum 8 mm • Thickness of screen minimum 4 mm • Optical transmission up ≥ to 95% • UV protection: >96%, UV-protection film • Warranty: Minimum 1 year
Lot 4	1	**Real Time Gel Visualisation System** • Portable base unit with integrated built-in power supply for conducting electrophoresis, gel visualization and extraction • The system must work with standard EtBr, SYBR Green and SYBR Safe gels cast within the gel trays • Timer with alarm • Blue LED Gel Transilluminator with Wavelength of 470 nm ±2% • Transilluminator Wavelength: 470 • Operating temperature with a minimum range from ambient to 40°C • Maximum voltage of 150 V

		• Maximum current of 300 mA • Minimum two operating modes - Constant Voltage or Current • Gel System with sample capacity of minimum of 135 sample • Base buffer volume of minimum 500 mL • Running conditions with ranges from 90 to 150V and from 60 to 90 minutes • Gel Dimensions minimum 15 x 10 cm • The system shall include a tank with a lid containing an orange spectral emission filter. • Built-in extractor fan for securing free condensation conditions in the lid • Comb Type: Dual-sided comb • Well Configuration: 4/16MC with one side featuring 16MC multichannel spacing suitable for multichannel pipettes and opposite side designed for single-channel pipettes • Warranty: Minimum 1 year

Lot 5	1	**Electrophoresis Power Supply**
		
		• Application: Designed for DNA/RNA and protein electrophoresis systems.
		• Control System:
		  • Microprocessor controller
		  • LED display for easy monitoring
		  • Programmability: Programmable changes in voltage, current, and time during the run.
		  • Voltage Output:
		  • Minimum output voltage range: 0 to 300V
		  • Voltage increments: Maximum of 1V.
		  • Current Output:
		  • Minimum current range: 10 to 400mA
		  • Current increments: Maximum of 1mA.
		  • Power Output:
		  • Maximum output power: 60W.
		  • Timer: Integrated timer with alarm functionality.
		  • Continuous run option available.
		  • Two pairs of parallel power terminals to support operation of two electrophoresis units simultaneously.
		• Warranty: Minimum 1 year

Lot 6	1	**Stereomicroscope with camera**
		
		• Type: Stereomicroscope with separate beam paths and apochromatic Greenough corrected optics or equivalent.
		  • Phototube: Integrated phototube for enhanced imaging.
		  • Illumination:
		  • Integrated LED lighting for both reflected and transmitted light, as well as a built-in transilluminator suitable for light and dark field applications.
		  • LED lighting must deliver a color temperature of 5600 K (±5%) with a minimum operational lifetime of 25,000 hours.
		  • Additional lighting provided with gooseneck options for flexible illumination.
		• Optical System:

		• Eyepieces: Three-dimensional observation through standard eyepieces with a magnification of 10x and a field of view of at least 23 mm. • System Resolution: Minimum of 200 lp/mm using 10x eyepieces without additional lenses. • Zoom Range: Manual zoom range of 8:1, with a total magnification range from a minimum of 6.3x to 50x. • Working Distance: Free working distances ranging from 35 mm to 290 mm. • Ergonomics: • Viewing Angle: Ergonomic viewing angle of at least 35°. • Interocular Adjustment: Adjustable interocular distance ranging from 55 mm to 75 mm, with dioptre correction available on both eyepieces. Magnification Adjustment: Incremental magnification adjustments in a minimum of 10 steps (0.65x; 0.8x; 1x; 1.25x; 1.6x; 2x; 2.5x • Free Working Distance: Minimum of 92 mm without additional lenses. • Object Field Diameter: Minimum of 36 mm. • Accessories: • Black and white sided glass plate for contrast illumination at the base. • Protective dust cover. • Digital Camera: • Resolution: Digital color camera with a minimum resolution of 12 MP (4032 x 3044 pixels). • Connectivity: USB 3.0 Type-C, USB 2.0 Type-A, HDMI, Ethernet. • Pixel Size: Minimum of 1.85 µm x 1.85 µm with a sensor size of at least 9 mm. • Frame Rate: 25-30 fps. • Exposure Time: Adjustable exposure time ranging from 0.1 ms to 1 s or wider. • Connectivity Options: Ability to connect tablets and smartphones, etc. • Software: • Image Analysis: Included software module for image acquisition, processing, analysis, and documentation. • Measurement Capabilities: Software must enable measuring and determining dimensions of observed objects. • Compatibility: The stereomicroscope, camera, and software must be sourced from the same manufacturer to ensure system compatibility. • Training and Support: • Training: Provision of training for operators on the proper use of the stereomicroscope. • Warranty: Minimum warranty period of 1 year

Annex 5: Financial Offer Form

Name of Bidder:	[Insert Name of Bidder]	Date:	Select date
RFO reference	[Insert RFO Title]		

We, the undersigned, offer to provide the services for [Insert RFO Title] in accordance with your Request for Offer No. **RFO XX/2026** and our Offer. We are hereby submitting our Offer, which includes this Technical and our Financial Offer sealed under a separate envelope.

Our attached Financial Offer is for the sum of [Insert amount in words and figures].

Our Offer shall be valid and remain binding upon us for the period of time specified in Description of Requirements.

We understand you are not bound to accept any Offer you receive.

Name: _____

Title: _____

Date: _____

Signature: _____

[*Stamp with the official stamp of the Bidder]*

The Bidder is required to prepare the Financial Offer following the below format and submit it in separate document from the Technical Offer as indicated in the Instruction to Bidders. Any Financial information provided in the Technical Offer shall lead to Bidder's disqualification. The Financial Offer should align with the requirements in the Terms of Reference and the Bidder's Technical Offer.

The currency of the proposal: MKD
Table 1: Financial Offer

No	Name of the item	Unit Price (VAT exempted MKD)	Total Unit Price (vat Exempted MKD)
Lot 1			
Lot 2			
….			
		Total	

Annex 6: Evaluation Criteria

The lowest priced offer among the technically compliant/responsive offers will be selected.

LOT	Quantity (pieces)	Description/Specification of goods	Minimum Technical Criteria
Lot 1	1	**Molecular biology thermal cycler** • High Performing Thermal Cycler • Block Format 0.2 ml x 96 • Interchangeable Sample Holder • Heating/cooling method: block solid state modules/cover: ceramic heater • Temperature control in range of 4.0°C - 99.9°C • Temperature control accuracy: ±0.1°C • Well temperature distribution: maximum up ±0.5°C • Gradient temperature setting: maximum up to 30°C • Heating rate with maximum of 3.5°C/sec • Cooling rate with maximum of 3.0°C/sec. • Temperature ramping with range of 0.1°C - 30.0 °C/cycle • Maximum number of cycles: 99 cycles/segment • Number of reaction temperature steps: 25 • Interface display for presentation of the measurements with possibility for various data presentation and edition (creation, edition, graphic view) • Memory card slot interface for data exchange • Power supply: regular • Compatibility: The Molecular biology thermal cycle must be sourced from the same manufacturer to ensure system compatibility. • Training and Support: Training for operators on the proper use of the equipment. • Warranty: Minimum warranty period of 1 year	YES/NO
Lot 2	1	**Gel documentation hood screen system with camera** • Camera: Digital camera with a minimum resolution of 24 MP, equipped with a high-sensitivity CMOS sensor. • Monitor: Color TFT display with a minimum size of 8 inches and a resolution of at least 1920 x 768 pixels. • Illumination: Inner white light provided by two 3W LED lamps. • Access: Easy access door with built-in inner lights for enhanced visibility. • Safety Features: Safety switches that disconnect the UV source when the easy access door is opened. • Transilluminator: Supplied with dual wavelength formats of 312 nm and 365 nm.	YES/NO

		• Image Transfer: Wi-Fi capability for transferring images to a PC or smart device. • Software: Image analysis software included with the system. • Storage Compatibility: Supports SD, SDHC, and SDXC storage types with UHS Speed Class 1 compatibility. • Viewing Area: UV transilluminator viewing size of at least 21 x 21 cm. • Compatibility: The Molecular biology DNA/RNA UV-cleaner workstation (PCR cabinet) must be sourced from the same manufacturer to ensure system compatibility. • Training and Support: Training for operators on the proper use of the equipment. • Compatibility: Gel documentation hood screen system with camera must be sourced from the same manufacturer to ensure system compatibility. • Training and Support: Training for operators on the proper use of the equipment. • Warranty: Minimum warranty period of 1 year	
Lot 3	1	**Molecular biology DNA/RNA UV-cleaner workstation (PCR cabinet)** • Walls material (Rear: stainless steel, Sides: steel with chemical resistant powder coating Front: glass) • Working surface material: Stainless steel • Open UV-lamp: 1 x 25W with built-in bactericidal UV-C 1 x 25W • UV-recirculator: 1x25W with efficiency >99% per hour • UV radiation level: 18 mW / cm2 / sec • Daylight lamp (for working area illumination)1 x LED-Minimum 8W • Ozone free radiation type: UV (λ = 253.7 nm) • Digital time setting of direct UV exposure with minimal range from 1 min–24 hrs and option for continuous work (increment of maximum 1 min) • Thickness of side panels minimum 2 mm • Thickness of upper front panel minimum 8 mm • Thickness of screen minimum 4 mm • Optical transmission up ≥ to 95% • UV protection: >96%, UV-protection film • Compatibility: The Molecular biology DNA/RNA UV-cleaner workstation (PCR cabinet) must be sourced from the same manufacturer to ensure system compatibility. • Training and Support: Training for operators on the proper use of the equipment. • Warranty: Minimum warranty period of 1 year	YES/NO
Lot 4	1	**Real Time Gel Visualisation System**	YES/NO

		• Portable base unit with integrated built-in power supply for conducting electrophoresis, gel visualization and extraction • The system must work with standard EtBr, SYBR Green and SYBR Safe gels cast within the gel trays • Timer with alarm • Blue LED Gel Transilluminator with Wavelength of 470 nm ±2% • Transilluminator Wavelength: 470 • Operating temperature with a minimum range from ambient to 40°C • Maximum voltage of 150 V • Maximum current of 300 mA • Minimum two operating modes - Constant Voltage or Current • Gel System with sample capacity of minimum of 135 sample • Base buffer volume of minimum 500 mL • Running conditions with ranges from 90 to 150V and from 60 to 90 minutes • Gel Dimensions minimum 15 x 10 cm • The system shall include a tank with a lid containing an orange spectral emission filter. • Built-in extractor fan for securing free condensation conditions in the lid • Comb Type: Dual-sided comb • Well Configuration: 4/16MC with one side featuring 16MC multichannel spacing suitable for multichannel pipettes and opposite side designed for single-channel pipettes • Compatibility: Real Time Gel Visualisation System must be sourced from the same manufacturer to ensure system compatibility. • Training and Support: Training for operators on the proper use of the equipment. • Warranty: Minimum warranty period of 1 year	

Lot 5	1	**Electrophoresis Power Supply**
		
		• Application: Designed for DNA/RNA and protein electrophoresis systems.
		• Control System:
		  • Microprocessor controller
		  • LED display for easy monitoring
		  • Programmability: Programmable changes in voltage, current, and time during the run.
		  • Voltage Output:
		  • Minimum output voltage range: 0 to 300V
		  • Voltage increments: Maximum of 1V.
		  • Current Output:
		  • Minimum current range: 10 to 400mA
		  • Current increments: Maximum of 1mA.
		  • Power Output:
		  • Maximum output power: 60W.
			YES/NO

		• Timer: Integrated timer with alarm functionality. • Continuous run option available. • Two pairs of parallel power terminals to support operation of two electrophoresis units simultaneously. • Compatibility: The electrophoresis power supply must be sourced from the same manufacturer to ensure system compatibility. • Training and Support: • Training: Provision of training for operators on the proper use of the equipment. • Warranty: Minimum warranty period of 1 year	
Lot 6	1	**Stereomicroscope with camera** • Type: Stereomicroscope with separate beam paths and apochromatic Greenough corrected optics or equivalent. • Phototube: Integrated phototube for enhanced imaging. • Illumination: • Integrated LED lighting for both reflected and transmitted light, as well as a built-in transilluminator suitable for light and dark field applications. • LED lighting must deliver a color temperature of 5600 K (±5%) with a minimum operational lifetime of 25,000 hours. • Additional lighting provided with gooseneck options for flexible illumination. • Optical System: • Eyepieces: Three-dimensional observation through standard eyepieces with a magnification of 10x and a field of view of at least 23 mm. • System Resolution: Minimum of 200 lp/mm using 10x eyepieces without additional lenses. • Zoom Range: Manual zoom range of 8:1, with a total magnification range from a minimum of 6.3x to 50x. • Working Distance: Free working distances ranging from 35 mm to 290 mm. • Ergonomics: • Viewing Angle: Ergonomic viewing angle of at least 35°. • Interocular Adjustment: Adjustable interocular distance ranging from 55 mm to 75 mm, with dioptre correction available on both eyepieces. • Magnification Adjustment: Incremental magnification adjustments in a minimum of 10 steps (0.65x; 0.8x; 1x; 1.25x; 1.6x; 2x; 2.5x; 3.2x; 4x; 5x) without loss of focus on the object.	YES/NO

		• Free Working Distance: Minimum of 92 mm without additional lenses. • Object Field Diameter: Minimum of 36 mm. • Accessories: • Black and white sided glass plate for contrast illumination at the base. • Protective dust cover. • Digital Camera: • Resolution: Digital color camera with a minimum resolution of 12 MP (4032 x 3044 pixels). • Connectivity: USB 3.0 Type-C, USB 2.0 Type-A, HDMI, Ethernet. • Pixel Size: Minimum of 1.85 µm x 1.85 µm with a sensor size of at least 9 mm. • Frame Rate: 25-30 fps. • Exposure Time: Adjustable exposure time ranging from 0.1 ms to 1 s or wider. • Connectivity Options: Ability to connect tablets and smartphones, etc. • Software: • Image Analysis: Included software module for image acquisition, processing, analysis, and documentation. • Measurement Capabilities: Software must enable measuring and determining dimensions of observed objects. • Compatibility: The stereomicroscope, camera, and software must be sourced from the same manufacturer to ensure system compatibility. • Training and Support: • Training: Provision of training for operators on the proper use of the stereomicroscope. • Warranty: Minimum warranty period of 1 year	

NOTE:

- **Failure to fulfil one of these requirements is considered grounds for disqualification**
- **Offerors must provide:**
  - **Catalogues and brochures proving technical specifications.**
  - **Authorized service certificate for North Macedonia**
  - **Delivery must include equipment supply, installation, and training with certification for trained personnel**

Annex 7: General Terms and Conditions for Contracts

1. LEGAL STATUS

The Contractor shall be considered as having the legal status of an independent contractor vis-à-vis the GWP. The Contractor's personnel and sub-contractors shall not be considered in any respect as being the employees or agents of GWP. For the purposes of this agreement, the Contractor is defined as a business that agrees to conduct work for GWP as specified under the terms of a contract. The term "Contract" includes the general terms and conditions set forth in the body of this document (the "Terms and Conditions for Contracts Terms").

2. SOURCE OF INSTRUCTIONS

The Contractor shall neither seek nor accept instructions from anyone else but GWP in connection to its services under this contract. The Contractor shall refrain from any action that may adversely affect GWP and shall fulfil its commitments with the fullest regard to the interests of GWP.

3. CONTRACTOR'S RESPONSIBILITY FOR EMPLOYEES

The Contractor shall be responsible for the professional and technical competence of its employees and will select, for work under this Contract, reliable individuals who will perform effectively in the implementation of this Contract, respect the local customs, and conform to a high standard of moral and ethical conduct.

4. ASSIGNMENT

The Contractor shall not assign, transfer, pledge or make other disposition of this Contract or any part thereof, or any of the Contractor's rights, claims, or obligations under this Contract except with the prior written consent of GWP.

5. SUB-CONTRACTING

In the event, the Contractor requires the services of sub-contractors in the course of the implementation of the assignment (unless specified in the Proposal/Offer/Bid), the Contractor shall obtain the prior written approval and clearance of the GWP for all sub-contractors. The approval of GWP of a sub-contractor shall not relieve the Contractor of any of its obligations under this Contract. The terms of any sub-contract shall be subject to and conform to the provisions of this Contract.

6. OFFICIALS NOT TO BENEFIT

The Contractor warrants that no official of GWP has received or will be offered by the Contractor any direct or indirect benefit arising from this Contract or the award thereof. The Contractor agrees that breach of this provision is a breach of an essential term of this Contract.

7. INDEMNIFICATION

The Contractor shall defend, indemnify and hold harmless, at its own expense, the GWP, its officials, agents, servants, and employees from and against all third-party claims, suits, obligations, causes of action, demands, and all losses, damages, judgments, the liability of any nature or kind, including their costs and expenses, arising out of acts or omissions of the Contractor, or the Contractor's employees, officers, agents or sub-contractors, in the performance of this Contract. This provision shall extend, inter alia, to claims and liability in the nature of workmen's compensation, products liability, and liability arising out of the use of patented inventions or devices, copyrighted material, or other intellectual property by the Contractor, its employees, officers, agents, servants or sub-contractors. The obligations under this Article do not lapse upon termination of this Contract.

8. INSURANCE AND LIABILITIES TO THIRD PARTIES

The Contractor shall provide and thereafter maintain all appropriate workmen's compensation insurance, or the equivalent, with respect to its employees to cover claims for personal injury or death in connection with this Contract.

The Contractor shall also provide and thereafter maintain liability insurance in an adequate amount to cover third party claims for death or bodily injury, or loss of or damage to property, arising from or in connection with the provision of services under this Contract or the operation of any vehicles, boats, airplanes or other equipment owned or leased by the Contractor or its agents, servants, employees or sub-contractors performing work or services in connection with this Contract.

9. LIENS

The Contractor shall not cause or permit any lien, attachment, or other encumbrance by any person to be placed on file or to remain on file in any public office or on file with the GWP against any monies due or to become due for any work done or materials furnished under this Contract, or by reason of any other claim or demand against the Contractor.

10. TITLE TO EQUIPMENT

Title to any equipment and supplies that may be furnished by GWP shall rest with GWP and any such equipment shall be returned to GWP at the conclusion of this Contract or when no longer needed by the Contractor. Such equipment, when returned to GWP, shall be in the same condition as when delivered to the Contractor, subject to normal wear and tear. The Contractor shall be liable to compensate GWP for equipment determined to be damaged or degraded beyond normal wear and tear.

11. COPYRIGHT, PATENTS, AND OTHER PROPRIETARY RIGHTS

Except as is otherwise expressly provided in writing in the Contract, the GWP shall be entitled to all intellectual property and other proprietary rights including, but not limited to, patents, copyrights, and trademarks, with regard to products, processes, inventions, ideas, know-how, or documents and other materials which the Contractor has developed for the GWP under the Contract and which bear a direct relation to or are produced or prepared or collected in consequence of, or during the course of, the performance of the contract and the Contractor acknowledges and agrees that such products, documents, and other materials constitute works made for hire for the GWP.

To the extent that any such intellectual property or other proprietary rights consist of any intellectual property or other proprietary rights of the Contractor: (i) that pre-existed the performance by the Contractor of its obligations under the Contract, or (ii) that the Contractor may develop or acquire, or may have developed or acquired, independently of the performance of its obligations under the Contract, the GWP does not and shall not claim any ownership interest thereto, and the Contractor grants to the GWP a perpetual license to use such intellectual property or other proprietary right solely for the purposes of and in accordance with the requirements of the Contract.

All maps, drawings, photographs, mosaics, plans, reports, estimates, recommendations, documents, and all other data compiled by or received by the Contractor under the Contract shall be the property of the GWP, shall be made available for use or inspection by the GWP at reasonable times and in reasonable places, shall be treated as confidential, and shall be delivered only to GWP authorized officials on completion of work under the Contract.

12. USE OF NAME, EMBLEM OR OFFICIAL SEAL OF GWP

The Contractor shall not in any manner whatsoever use the name, emblem, or official seal of the GWP in connection with its business or otherwise unless expressly allowed in writing by authorized GWP officials.

13. CONFIDENTIALITY

Information and data that is considered proprietary by either Party and that are delivered or disclosed by one Party ("Discloser") to the other Party ("Recipient") during the course of performance of the Contract, and that is designated as confidential ("Information"), shall be held in confidence by that Party.

The recipient ("Recipient") of such information shall:

a) use the same care and discretion to avoid disclosure, publication or dissemination of the Discloser's Information as it uses with its own similar information that it does not wish to disclose, publish or disseminate; and,
b) use the Discloser's Information solely for the purpose for which it was disclosed.

Provided that the Recipient has a written agreement with the following persons or entities requiring them to treat the Information confidential in accordance with the Contract, the Recipient may disclose Information to:

a) any other party with the Discloser's prior written consent; and,
b) the Recipient's employees, officials, representatives, and agents who have a need to know such information for purposes of performing obligations under the Contract, and employees' officials, representatives, and agents of any legal entity that it controls it, or with which it is under common control, who have a need to know such information for purposes of performing obligations under the Contract.
c) The Contractor may disclose Information to the extent required by law, provided that the Contractor will give the GWP sufficient prior notice of a request for the disclosure of information in order to allow the GWP to have a reasonable opportunity to take protective measures or such other action as may be appropriate before any such disclosure is made.

The GWP may disclose Information to the extent as required by national law in North Macedonia.

These obligations and restrictions of confidentiality shall be effective during the term of the Contract, including any extension thereof, and, unless otherwise provided in the Contract, shall remain effective following any termination of the Contract.

14. FORCE MAJEURE; OTHER CHANGES IN CONDITIONS

In the event of and as soon as possible after the occurrence of any cause constituting force majeure, the Contractor shall give notice and full particulars in writing to the GWP, of such occurrence or change if the Contractor is thereby rendered unable, wholly or in part, to perform its obligations and meet its responsibilities under this Contract. The Contractor shall also notify the GWP of any other changes in conditions or the occurrence of any event that interferes or threatens to interfere with its performance of this Contract. On receipt of the notice required under this Article, the GWP shall take such action as, in its sole discretion; it considers to be appropriate or necessary in the circumstances, including the granting to the Contractor of a reasonable extension of time in which to perform its obligations under this Contract.

If the Contractor is rendered permanently unable, wholly, or in part, by reason of force majeure to perform its obligations and meet its responsibilities under this Contract, the GWP shall have the right to suspend or terminate this Contract on the same terms and conditions as are provided for in Article 15, "Termination", except that the period of notice shall be seven (7) days instead of thirty (30) days.

Force majeure means acts of God, war (whether declared or not), invasion, revolution, insurrection, declared, government lockdowns, or emergency situations, or other acts of a similar nature or force.

15. TERMINATION

Either party may terminate this Contract for cause, in whole or in part, upon thirty (30) days' notice, in writing, to the other party.

GWP reserves the right to terminate without cause this Contract at any time upon 15 days prior written notice to the Contractor, in which case the GWP shall reimburse the Contractor for all reasonable costs incurred by the Contractor prior to receipt of the notice of termination.

In the event of any termination by the GWP no payment shall be due from the GWP to the Contractor except for work and services satisfactorily performed in conformity with the express terms of this Contract.

Should the Contractor be adjudged bankrupt, or be liquidated or become insolvent, or should the Contractor make an assignment for the benefit of its creditors, or should a Receiver be appointed on account of the insolvency of the Contractor, the GWP may, without prejudice to any other right or remedy it may have under the terms of these conditions, terminate this Contract forthwith. The Contractor shall immediately inform the GWP of the occurrence of any of the above events.

16. SETTLEMENT OF DISPUTES

The parties shall use their best efforts to settle amicably any dispute, controversy, or claim arising out of this Contract or the breach, termination, or invalidity thereof. This Contract shall be construed and interpreted, and the legal relations created hereby shall be determined in accordance with the laws of the Republic of North Macedonia. The parties' consent to the exclusive jurisdiction of, and agree that venue lies solely with, the state courts located in the Republic of North Macedonia.

17. TAX EXEMPTION

GWP is exempt from all direct taxes, except charges for public utility services, and is exempt from customs duties and charges of a similar nature in respect of articles imported or exported for its official use. In the event any governmental authority refuses to recognize the GWP's exemption from such taxes, duties, or charges, the Contractor shall immediately consult with the GWP to determine a mutually acceptable procedure.

Accordingly, the Contractor authorizes the GWP to deduct from the Contractor's invoice any amount representing such taxes, duties, or charges, unless the Contractor has consulted with the GWP before the payment thereof and the GWP has, in each instance, specifically authorized the Contractor to pay such taxes, duties or charges under protest. In that event, the Contractor shall provide the GWP with written evidence that payment of such taxes, duties, or charges has been made and appropriately authorized.

18. OBSERVANCE OF THE LAW

The Contractor shall comply with all laws, ordinances, rules, and regulations bearing upon the performance of its obligations under the terms of this Contract.

19. AUTHORITY TO MODIFY

Only the GWP Authorized Official possesses the authority to agree on behalf of the GWP to any modification of or change in this Contract, to a waiver of any of its provisions, or any additional contractual relationship of any kind with the Contractor. Accordingly, no modification or change in this Contract shall be valid and enforceable against the GWP unless provided by an amendment to this Contract signed by the Contractor and jointly by the GWP.