Quick Start Measure – Terms of Reference

Project	Support to Nature Protected Areas in Ukraine", BMZ No.:2011.6612.3 and 2013.6588.1
Type	Quick Start Measure (QSM)
Title	Rugged smartphones for establishing first pilot elements of a digitized monitoring system (SMART mobile) in three test areas within the SNPA project
Short title	Rugged smartphones for rangers
Reference number	QSM-2020-4-NAT-Rugged smartphones rangers

1 Type of Procurement

This procurement is planned as a Quick Start Measure. QSMs are investments in protected areas of up to EUR 20.000 per contract. These measures are justified by three factors: their confirmed urgency, the absence of other imminent solutions and the need for rapid trust-building between beneficiaries and the Project.

This procurement falls under a procedure which was installed with the updated Project Management Manual (PMM) approved by MENR on 08.10.2020 and which received non-objection by KfW on 07.12.2020. Under simplified procedures and a newly introduced review method in the new Overall Procurement Plan, an entry of "P" (for "post review") under column "Review by KfW" indicates that a procurement will be reviewed by the auditor and optionally by KfW.

This procurement shall provide essential equipment in the form of rugged but also highly capable (long lasting battery power, radio wave receiver for dual-use of GSM and radio-waves) smartphones for collection of digital monitoring data in a pilot test in three SNPA target areas. As such, this procurement will provide essential equipment for the realization of a central activity of the project, the establishing of a modern, conservation target orientated and data-driven monitoring system for

biodiversity and patrolling. For three reasons, this procurement shall be conducted as a Quick Start Measure:

1. to test the use of a special kind of rugged smartphone in practical field conditions before these phones shall be purchased in large quantities for all eight target areas
2. to conduct a pilot of the above-mentioned digital element of the new biodiversity and patrol monitoring system with three target areas
3. to allow a) the realization of a first and shortly upcoming training activity on data collection and b) the start of the subsequent test phase for the proposed new element of the monitoring system

This procurement belongs to the following sections under the project's Overall Procurement Plan:

- Output 2: Selected protected areas have the necessary infrastructure, equipment and personnel

   - SA.2.2: The administrative teams, rangers and tourism personnel are equipped with all gear and items necessary to fulfill their work professionally and reliably (transport for rangers, uniforms, IT and computer equipment and others).

      - T.2.2.3: Conduct individual procurements of equipment for target areas (incl. large tenders)

         - ST.2.2.3.7: QSMs for small procurements of equipment

The budget line for this procurement in the latest version of the approved Overall Procurement Plan is:

Output 2: *Selected protected areas have the necessary infrastructure, equipment and personnel*

Activity No. [1]	Task No.	Previous coding	Procurement No.	Description yellow = executed black = planned	Type of procurement [2]	Estimated Contract Amount	Source of Funds [3]	Procurement procedure [4]	Stages [5]	Selection method [6]	Review by KfW [7]	ESHS risk level [8]	Contract type [9]
SA.2.2	T.2.2.3/ST. 2.2.3.7			QSMs for small procurements of equipment	G	87.701,00 €	DispoFund 100%	NCB/QSM	1	LCS	P	tbd	Supply contract

The goods specified in this document shall be procured through collection of **three price quotes**.

2   Background and Justification

Accurate and reliable monitoring systems are prerequisites for effective management of protected areas worldwide. In particular, data derived from biodiversity monitoring plays an important role for effective PA management as it provides essential information for guiding decision-making and allows for adaptive management as changes in biodiversity can be tracked over time. Without accurate and reliable monitoring data, assessing the effectiveness of conservation measures tends to be error-prone and important conservation issues can more easily remain unnoticed for long periods of time.

Besides the monitoring of biodiversity, the specific monitoring of individual conservation measures is of high importance. This is particularly the case for law enforcement operations inside the protected areas aiming to prevent illegal activities such as timber extraction or poaching. As resources for law enforcement are generally limited, the resources that are available need to be allocated as efficiently as possible to allow for maximum effectiveness in deterring illegal activities.

To achieve both goals, protected areas worldwide rely on reliable monitoring data of biodiversity as well as of law enforcement activities. By using specialized hardware and software such as the free of charge Spatial Monitoring and Reporting Tool (SMART, https://smartconservationtools.org/), PA

managers can obtain a reliable understanding of patrolling activities (efforts, spatial distribution, temporal distribution, etc.) as well as of illegal activities detected by the patrols (locations of detections, types of violations, etc.). Also, biodiversity monitoring data can be collected and centrally stored and analysed through SMART. This allows managers to optimize law enforcement over time and provides valuable indications regarding the trends of illegal activities inside the PAs whle also allowing the constant collection of biodiversity monitoring data.

Using the free SMART software, currently over 140 areas in 31 countries, are collecting important data on patrolling and/or biodiversity, all combined in one systematic and highly reliable monitoring system. To enable the adoption of this technology in the SNPA target areas, the SNPA project will be conducting a dedicated SMART implementation procedure, first as a pilot across three protected areas of the SNPA project:

- Carpathian Biosphere Reserve,
- Karpatskiy National Nature Park,
- Verkhovinskiy National Nature Park.

Following the successful completion of this pilot phase, the SMART implementation shall eventually be expanded to include the other SNPA target areas.

SMART data (patrolling data as well as biodiversity data) are generally collected using smartphones which provide GPS functionality as well as convenient possibilities to record observations in the field (in contrast to using pen and paper). The availability of such robust and technically capable smartphones is therefore an essential prerequisite for the implementation of SMART in protected areas. For the above-mentioned pilot phase, a specialized training (for data collection and technology) is to be conducted in December 2020 at the three protected areas. The availability of the proposed smartphones will be a crucial prerequisite for this training. Hence, the procurement shall happen as fast as possible.

This procurement aims to provide up to six rugged smartphones to the above-mentioned protected areas to be used for biodiversity and patrol monitoring using the SMART technology.

This procurement is well-suited to be conducted as a QSM, given that:

a) The goods to be procured are largely standardized and commonly available in the market.

b) The total budget amount is below 20.000 EUR.

c) The provision of this equipment shall happen as soon as possible in order enable the conduction of the SMART training and to avoid unnecessary and long delays in establishing the monitoring system.

3   Objectives and Expected Results

The main objective of this procurement is to quickly provide suitable smartphones to be used for the implementation of the SMART system for biodiversity and patrol monitoring. The smartphones shall provide adequate technical performance for the required tasks while also being highly sturdy and rugged, capable of resisting intensive physical strain from regular field activities. This shall ensure that the equipment can be used for long periods of time.

A specific smartphone brand and model type has been identified by the SNPA project to fulfill these criteria through a wide range of important features, including:

- Very large battery capacity
- Good camera for taking photos of observations in the field

- Sufficient processing power for conducting the data collection work
- Compatible for installing the SMART software
- Ukrainian language support
- Strong materials (shockproof)
- Water resistance
- Integrated walkie-talkie functionality

In total, up to 6 smartphones are to be procured. The following two smartphones models will be accepted:

a) Blackview BV9500 Pro
b) Ulefone Armor 3WT

Both of these models fulfil the above requirements and are very similar to each other in terms of features and price. Small changes in the specifications may be made if the market availability of the equipment shows that otherwise the procurement will be delayed or have larger risk of failure.

#	Decription	Specifications	Units
1	Rugged smartphone	Accepted Smartphone models: **Option A: Blackview BV9500 Pro** **Option B: Ulefone Armor 3WT** Minimum package contents: 1 x Smartphone 1 x Charger	6

In addition, through this QSM and pilot phase the use and suitability of the above-mentioned phones is tested carefully and thoroughly in order to take lessons learnt and guidance for the procurement of such phones for all rangers in all eight target areas. This QSM will avoid risks of wrong investments in unsuitable gear.

4   Activities

To obtain the required goods, several qualified suppliers will be contacted and asked to provide price quotes for the provision of the specified goods. This QSM will be published on the SNPA website to allow for participation of additional qualified suppliers. At least three price quotes will be collected and the best proposal (technically compliant offer at the lowest price) will be selected for contracting. The proposals shall be sent to the following e-mail address: stefanyshyn@snpa.in.ua   and yamelynets@snpa.in.ua

The price offers must be presented in UAH **without VAT**. According to the SNPA Project Registration card of the Material and Technical Assistance Goods, the goods are exempted from all taxes, duties and charges on the territory of Ukraine.

5   Delivery of goods

The delivery of goods in parts (batches) is allowed. The delivery time is agreed upon when signing the contract. The preferred time of delivery is 30 days after the contract commencement date.

6   The minimum qualifications of the supplier

Participating companies must be legal entities or PPE (physical person entrepreneur) registered in Ukraine.