

## INVITATION

**to select a supplier for GPS/GPRS transmitters for tracking of vultures by “Bright future for the Black Vulture” Project LIFE14 NAT/BG/649 and WFN Continuation funded grant “Saving the last vultures in Balkans introducing Vulture Safe Areas as a model for scavengers conservation in the Anthropocene”.**

Dear Sir/Madam,

We write on behalf of Fund for Wild Flora and Fauna as Associated beneficiary of “Bright future for the Black Vulture” Project LIFE14 NAT/BG/649 and leading beneficiary of the WFN Continuation funded grant “Saving the last vultures in Balkans introducing Vulture Safe Areas as a model for scavengers conservation in the Anthropocene” (shortly called here “The Assigner”), and based on written order letter 200/25.10.2019 would like to invite you to submit a tender in relation to provision of GPS/GPRS transmitter for tracking of vultures.

### ASSIGNER:

NGO Fund for Wild Flora and Fauna

Head Office - 49, Ivan Mihailov, 2700 Blagoevgrad, Bulgaria

Address for correspondence - P.O. Box 78, 2700 Blagoevgrad, Bulgaria

Tel/Fax: 073/881440,

e-mail: [pirin@fwff.org](mailto:pirin@fwff.org),

website: [www.fwff.org](http://www.fwff.org) ,

Represented by Emilian Stoyanov – Chairman of the Board.

### 1. Goods to be provided

To implement the activities foreseen in the Project “Bright future for the Black Vulture” – LIFE 14 NAT/BG/649 and project “Saving the last vultures in Balkans introducing Vulture Safe Areas as a model for scavengers conservation in the Anthropocene”, and according to the foreseen budget, a purchase of 50 GPS/GPRS transmitters is planned. The full quantity will be provided and delivered into several deliveries in accordance with the projects’ timetable until July 2022.

### 2. Goods to be delivered to:

NGO Fund for Wild Flora and Fauna address - 49, Ivan Mihailov, 2700 Blagoevgrad, P.O. Box 78, Bulgaria by courier.

The GPS/GPRS transmitters’ deliveries should be at the expense of the Supplier.

### 3. Terms and time schedule:

Purchase of the required 50 GPS/GPRS transmitters should be done until 30 July 2022.

### 4. Requirements for transmitters choice



EURONATUR



#### 4.1. Ten transmitters to be with *patagial* pin attachment (attached to the wing) or equivalent.

Therefore the following specifications are established:

Criteria	GPS/GPRS tracker of type – <i>patagial</i> (wing mount) or equivalent
➤ <b>Housing</b>	transmitter body with integrated attachment flap, pin and locking hexagonal nut for patagial attachment; strong and waterproof
➤ <b>Way of attachment</b>	<i>Patagial</i> (wing-mount)
➤ <b>Antenna</b>	No external antennas
➤ <b>Size</b>	Not larger than 55x56x32 mm, and weight ≤ 35 g
➤ <b>GPS receiver</b>	yes
➤ <b>GSM transceiver</b>	2G or 3G
➤ <b>Battery</b>	Internal
➤ <b>Charger</b>	Solar
➤ <b>GPS logging intervals</b>	≤ 600 seconds to 48 hours
➤ <b>Data storage</b>	≥ 2 MB flash memory
➤ <b>Data upload</b>	via GSM/GPRS/3G network
➤ <b>GSM/GPRS network connection interval</b>	≤ 60 min to 48 hours
➤ <b>Data storage in lack of network</b>	Logged data are stored in memory if phone network is unavailable
➤ <b>Day &amp; night sensing</b>	yes
➤ <b>Control</b>	user remotely controls GPS & GSM schedules, night-time GPS hibernation and settings via online control panel
➤ <b>Main data record</b>	UTC date & time, GPS position, GPS altitude, speed, direction, HDOP, battery voltage, battery charging current, instant acceleration (3 axes), temperature, magnetic field strength (3 axes)
➤	

#### 4.2. Forty GPS/GSM transmitters to be of type with backpack harness attachment (attached to the back/crest of the birds). Therefore the following minimum specifications are established:

Criteria	GPS/GPRS tracker of type backpack
➤ <b>Housing</b>	Backpack design, aerodynamic, strong and waterproof



➤ <b>Antenna</b>	With or without external antennas
➤ <b>Way of attachment</b>	Backpack harness
➤ <b>Size</b>	Not larger than 76x38x24 mm, and weight ≤ 35 g
➤ <b>GPS receiver</b>	yes
➤ <b>GSM transceiver</b>	2G or 3G
➤ <b>Battery</b>	Internal
➤ <b>Charger</b>	Solar
➤ <b>GPS logging intervals</b>	≤ 600 seconds to 48 hours
➤ <b>Data storage</b>	≥ 2 MB flash memory
➤ <b>Data upload</b>	via GSM/GPRS/3G network
➤ <b>GSM/GPRS network connection interval</b>	≤ 60 min to 48 hours
➤ <b>Data storage in lack of network</b>	Logged data are stored in memory if phone network is unavailable
➤ <b>Day &amp; night sensing</b>	yes
➤ <b>Control</b>	user remotely controls via online control panel
➤ <b>Main data record</b>	UTC date & time, GPS position, GPS altitude, speed, direction, battery voltage, battery charging current, instant acceleration (3 axes), temperature
➤ <b>Other</b>	Set of accessories to proper and secure attachment the transmitter to a bird's body

## 5. Criteria for choosing of the provider:

5.1. Lowest price (70% of the final assessment).

5.2. Highest equivalence between the requested technical specifications in pt. 4. and the offered (30% of the final assessment).

## 6. Requirements towards the suppliers:

All Bulgarian and/or foreign natural persons and legal persons can submit their bids for delivery of GPS/GSM transmitters in the current selection of a suppliers.

## 7. Requirements to the offers:

Provided offers should contain at least:



**EURONATUR**



- 1) Information of the Company making the offer (name, address, contact person and information);
- 2) Technical specification of the transmitter offered and the relevance to the required one;
- 3) Price offer of purchasing one item (including VAT) and price offer of purchase of 50 (fifty) items with VAT. The maximum total value for purchasing of all 50 GPS/GPRS transmitters is 50 000 EUR with included VAT, GSM fees for a year and shipment to FWFF's office;
- 4) Time validity of the offer.

**7. Deadline and address for delivery:**

**Offers should be provided and received until 31 October 2019 at 18.30 CET by e-mail or post mail. The selection of the supplier will end until 6 November 2019 and all the providers applied will be informed by e-mail.**

**The offer could be send by e-mail to [pirin@fwff.org](mailto:pirin@fwff.org) (Read receipt is mandatory) or by post mail to address:**

**P.O. Box 78, 2700 Blagoevgrad, Bulgaria, NGO Fund for Wild Flora and Fauna.**

For any queries, please  
contact Emilian Stoynov at 00359 878 573841.



Yours faithfully,  
For and on behalf of Fund for Wild Flora and Fauna  
Lilia Karagiozova  
/Financial Manager/



**EURONATUR**

