 

Plavi svijet Institut za istraživanje i zaštitu mora/ Blue World Institute of Marine Research and Conservation, Kaštel 24, 51551 Veli Lošinj, Hrvatska, represented by Dr. Nikolina Rako Gospić, President, Official registration number 08001352; IBAN HR0923600001101307847; VAT Identification number HR25888957858, **(„The Contracting Authority“),**

of one part,

and

Full official Name of the Contractor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ /

Legal status\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ /

Official registration number\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ /

Full official address\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ /

IBAN\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ /

VAT number\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ / **(„The Contractor“)**

of the other part

have agreed as follows

**CONTRACT TITLE: SUPPLY OF AUTONOMOUS PASSIVE ACOUSTIC RECORDER (APAR), A PISTONPHONE, AND ONSITE TRAINING**

**Article 1 Subject**

* 1. *Description of the purpose of the contract*

Purpose of the public procurement is the acquisition of the autonomous passive recording system needed for the assessment on underwater noise monitoring in the North Adriatic Sea which is a part of the Work Package 3 “Soundscape assessment”, Activity 3.2 “Setting up of the monitoring network of underwater noise measurements” which includes purchasing of the equipment for the monitoring of underwater noise.

At this stage, there are very limited data on underwater noise in the North Adriatic Sea and our knowledge on noise pollution and its impact on biodiversity is inadequate. SOUNDSCAPE aims to fill this knowledge gap by implementing a substantial technological upgrade in noise measurements and modeling, informing Maritime Spatial Planning initiatives in the region.

The contractor has no rights vis-a-vis the Agency (EASME) under the Agreement.

* 1. *The subject of the contract is* the supply, delivery, and warranty for quality of the purchased items by the Contractor of the following goods.

|  |  |  |
| --- | --- | --- |
| **Item No.** | **Item name** | **Quantities** |
| 1 | AUTONOMOUS PASSIVE ACOUSTIC RECORDER for monitoring of underwater noise | 2 |
| 2 | **Pistonphone:**  with coupler for the hydrophone delivered | 1 |
| 3 | ONSITE TRAINING | 1 |

Technical specifications includes the following:

|  |  |
| --- | --- |
| **Ref** | **Technical requirement** |
| **A** | **Recording file format:** |
| **B** | **Sensitivity:** |
| **C** | **Dynamic range:** |
| **D** | **Frequency response:** |
| **E** | **Directionality:** |
| **F** | **Sampling rate:** |
| **G** | **Data storage:** |
| **H** | **System self-noise:** |
| **J** | **Battery life:** |
| **K** | **Calibration**: |
| **L** | **Programmable or switchable Input gain** |
| **M** | **Power up/down without opening of housing** |
| **N** | **Start/stop recording without opening of housing** |
| **P** | **Maximum operating depth:** |
| **Q** | **Temperature range:** |
| **R** | **Communication interface for control and setting up of system parameters** |
| **S** | **Mooring frame:** |
| **T** | **Hydrophone protection:** |
| **U** | **Possibility of start stop recording (duty cycling, on/off scheduling)** |
| **V** | **Dimensions (with mooring frame and batteries):** |
| **W** | **Possibility to use both alkaline and lithium batteries** |
| **AB** | **Pistonphone:** |

The place of delivery of the supplies shall be Plavi svijet Institut za istraživanje i zaštitu mora/ Blue World Institute of Marine Research and Conservation

Adresa/ Address: Kaštel 24, 51551 Veli Lošinj, Croatia (EU)

Delivery deadline of the equipment itself is 8 weeks after the signature of the Contract.

Maximum delivery deadline for installation of the equipment (assembling, installing, checking its full functionality, calibrating and training of Contractor) is 10 weeks after the signature of the Contract.

The Incoterm applicable should be DDP[[1]](#footnote-1).

* 1. *The Contractor must fully comply* with the minimum technical requirements:

**SOUNDSCAPE AUTONOMOUS PASSIVE ACOUSTIC RECORDER (APAR) AND A PISTONPHONE – DETAILED TECHNICAL SPECIFICATIONS**

1. **Mandatory or minimum technical requirements:**

|  |  |
| --- | --- |
| **Ref** | **Technical requirement** |
| **A** | **Recording file format:**  Waveform Audio File Format (.wav) |
| **B** | **Sensitivity:**  -165 to -185 dB re 1 V/μPa |
| **C** | **Dynamic range:**  Minimum 16 bit |
| **D** | **Frequency response:**  10 Hz – 10 kHz flat within ±2 dB, 10 Hz – 20kHz flat within ±3 dB |
| **E** | **Directionality:** Omnidirectional to within +/- 1 dB up to 20 kHz horizontal, and to within +/- 2 dB in vertical |
| **F** | **Sampling rate:**  Minimum 44 kHz in the overall dynamic range |
| **G** | **Data storage:**  Minimum 512 GB (SD cards or SSD) |
| **H** | **System self-noise:**  Better than 58 dB re 1 μPa2/Hz at 63 Hz;  Better than 53 dB re 1 μPa2/Hz at 125 Hz |
| **J** | **Battery life:**  Alkaline: not less than 25 days  Lithium: not less than 75 days  Continuous recording 16 bit resolution, 24 kHz sampling |
| **K** | **Calibration**: The system has to be fully calibrated (hydrophone sensitivity and directivity, gain and self-noise) and the calibration documented for each instrument (no generic data) |
| **L** | **Programmable or switchable Input gain:**  **Yes** (has to enable various sensitivities within range required) |
| **M** | **Power up/down without opening of housing:**  Yes |
| **N** | **Start/stop recording without opening of housing:**  Yes |
| **P** | **Maximum operating depth:**  500 m |
| **Q** | **Temperature range:**  -5°C to +40°C |
| **R** | **Communication interface for control and setting up of system parameters:**  Yes |
| **S** | **Mooring frame:** Frame to enable attachment of deployment equipment (flotations, acoustic releasers, moorings etc.) to the instrument |
| **T** | **Hydrophone protection:** Mechanical protection of hydrophone against physical damage (e.g. cage) |
| **U** | **Possibility of start stop recording (duty cycling, on/off scheduling):**  Yes |
| **V** | **Dimensions (with mooring frame and batteries):**  Diameter no more than 220 mm  Length no more than 1100 mm  Weight in water no more than 20 kg |
| **W** | **Possibility to use both alkaline and lithium batteries:**  Yes |
| **AB** | **Warranty**  Minimum 1 year |
| **AC** | **Pistonphone:**  with coupler for the hydrophone delivered |

* 1. *The Contractor must fully* conform, in all respects, with the quantities, models, samples, measurements, and other instructions; the places of delivery as specified in the tender dossier; and the Incoterm rules are applicable to DDP.

**Article 2 Price**

***2.1*** *The price of supplies shall be that shown in the table below and stated in the* *Annex III of Invitation to tender for supply of AUTONOMOUS PASSIVE ACOUSTIC RECORDER (APAR A PISTONPHONE, AND ONSITE TRAINING* *- COST SPECIFICATION SHEET (Annex III of Tender Documentation).*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Item name | Unit | Quantity | Order price unit | Total price |
|  | 1 |  |  |  |  |
| **1.** | **Autonomous passive acoustic recorder (APAR)** | 1 | 2 |  | 0.00 EUR |
| **2.** | **Pistonphone** | 1 | 1 |  | 0.00 EUR |
| **3** | **Onsite training** | 1 | 1 |  | 0.00 EUR |
| **Price without VAT:** | | | | | 0.00 EUR |
| **VAT:** | | | | | 0.00 EUR |
| **Total VAT price:** | | | | | 0.00 EUR |

The total maximum price shall be in euros.

The price without Value Added Tax (VAT) must include all costs and discounts for goods and services (such as costs of transport, etc.).

The total price must be fixed and may not be amended during the period of Contract duration.

***2.2*** *Payments shall be made as follows:*

Payments shall be made on the basis of an invoice that shall be paid in 30 days from the receiving of a correctly issued invoice. The invoice has to have a clear reference to the Soundscape project (Project ID: 10043643).

Advance payment of up to 30 % of the price shall be paid upon the invoice issued at the order while a 70 % of the price shall be paid after successful execution of the contract.

***2.3*** *The Invoice is to be addressed to:*

**Plavi svijet Institut za istraživanje i zaštitu mora/ Blue World Institute of Marine Research and Conservation**

**Kaštel 24, 51551 Veli Lošinj, Hrvatska**

**With reference to the Soundscape project (Project ID: 10043643).**

**Registration Number: 08001352**

**IBAN/ (bank account number): HR0923600001101307847VAT Identification number: HR25888957858**

**Article 3 Warranty of quality**

***3.1*** *Warranty for quality* of purchased item shall be . A Warranty Certificate must be presented upon delivery of goods. The warranty period starts from the date of the acceptance of delivered goods and services.

**Article 4 Order of precedence of contract documents**

The Contract is made up of the following documents in order of precedence:

* Invitation to tender for supply of AUTONOMOUS PASSIVE ACOUSTIC RECORDER (APAR), A PISTONPHONE AND ONSITE TRAINING
* Annex I of tender documentation for supply of AUTONOMOUS PASSIVE ACOUSTIC RECORDER (APAR) A PISTONPHONE, AND ONSITE TRAINING - BID SHEET.
* Annex II of tender documentation for supply of AUTONOMOUS PASSIVE ACOUSTIC RECORDER (APAR) A PISTONPHONE, AND ONSITE TRAINING - DETAILED TECHNICAL SPECIFICATIONS.
* ANNEX III of tender documentation for supply of AUTONOMOUS PASSIVE ACOUSTIC RECORDER (APAR) A PISTONPHONE, AND ONSITE TRAINING – COSTS SPECIFICATION SHEET
* ANNEX IV of tender documentation for supply of AUTONOMOUS PASSIVE ACOUSTIC RECORDER (APAR) A PISTONPHONE, AND ONSITE TRAINING – - TENDERERS DECLARATION

The various documents making up the contract shall be deemed to be mutually explanatory, in cases of ambiguity or divergence, they shall prevail in the order in which they appear above.

**Article 5 Validity of the Contract**

The Contract is written in English and consists of three originals, two originals for the Contract Authority and one original for the Contractor.

The contract is valid from the date of the last signature of the contracting parties and shall be valid until the end of the warranty periods under this contract.

For the Contractor For the Contracting Authority

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| Plavi svijet Institut za istraživanje i zaštitu |
| Blue World Institute of Marine Research and Conservation  Dr Nikolina Rako Gospić, President  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Date: Date:

1. DDP (Delivered Duty Paid) –

   <https://iccwbo.org/resources-for-business/incoterms-rules/incoterms-rules-2010/> [↑](#footnote-ref-1)