Invitation to Quote

**Project Title: Real-Time Environmental Parameters Monitoring System**

**Procurement title:** Technical Equipment for Platform Development

**Date:** 12.02.2019.

**Source of Funding:** Ministry of Science of Montenegro and Faculty for Information Systems and Technologies, University of Donja Gorica

**Contract Ref:** 01-2312/4

Dear Supplier,

1. You are invited to submit your price quotation(s) for the supply of the following Lots:

 LOT1

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No.** | **Name** | **Unit** | **Qty** |
| 1 | Mobile workstation for crossplatform app development | Piece | 1 |
| 2 | External compatible keyboard | Piece | 1 |
| 3 | Compatible adapters for various external display options | Piece | 1 |

 LOT2

|  |  |  |  |
| --- | --- | --- | --- |
| **Item No.** | **Name** | **Unit** | **Qty** |
| 1 | Durable mobile workstation for on-field sensor testing and deployment | piece | 1 |
| 2 | Portable access terminal for machine learning server | piece | 1 |
| 3 | Hexa-Core CPU (at least 2.8GHz) | piece | 1 |
| 4 | Hexa-Core CPU (at least 3.7GHz) | piece | 1 |
| 5 | Compatible motherboard for item #3 | piece | 1 |
| 6 | Compatible motherboard for item #4 | piece | 1 |
| 7 | RAM (at least 3000MHz) 8GB module 1.20V compatible with #5 and #6 | piece | 5 |
| 8 | SSD m2 NVMe PCI (at least 240GB) | piece | 1 |
| 9 | SSD m2 NVMe PCI (at least 480GB) | piece | 1 |
| 10 | CUDA supporting GPU for Machine Learning | piece | 1 |
| 11 | Power Supply Unit min. 750W | piece | 2 |
| 12 | Uninterruptible Power Supply 1500VA/900W | piece | 2 |
| 13 | Compatible CPU cooler for item #4 | piece | 1 |
| 14 | Wireless keyboard+mouse | piece | 2 |
| 15 | PC Case | piece | 1 |
| 16 | PC Case with good cooling options | piece | 1 |
| 17 | Display (at least 23”) | piece | 3 |

More detailed information on technical specifications are given in **Attachment 1**.

1. You may quote for one or more lots. Each Lot shall be evaluated and contract awarded separately to the firm(s) offering the lowest evaluated price for each Lot (prices quoted shall correspond to 100 % of the items specified for each lot and to 100% of the quantities specified for each item of a lot).
2. Your price quotation in the form attached may be submitted by hand, mail, facsimile or electronically at the below address (paragraph 7).
3. The deadline for receipt of your quotation (s) by the Purchaser at the addressed indicated in this paragraph is: **February 20, 2019, 16,00h local time.**
4. Your quotation in duplicate and in English, should be accompanied by adequate technical documentation and catalogue(s) and other printed material or pertinent information for each item quoted, including names and addresses of firms providing service facilities in **Montenegro**.
5. Your quotation(s) should be submitted as per the following instructions and in accordance with the attached Contract. The attached Terms and Conditions of Supply is an integral part of the Contract.
	1. PRICES: The prices should be quoted in EUR for the Total Cost at final destination Oktoih 1, 81000, Podogrica, Montenegro, which includes all taxes, VAT, customs, duties, inland transportation and insurance, loading, unloading, assembly and installation of equipment.
	2. EVALUATION OF QUOTATIONS: Offers determined to be substantially responsive to the technical specifications will be evaluated by comparison of the total price at final destination.
	3. AWARD OF PURCHASE ORDER: The award will be made to the bidder offering the lowest evaluated price and that meets the required technical standards. The successful bidder will sign a Contract as per attached form of contract and terms and conditions of supply.
6. Further information can be obtained from address below:

**Name:** doc. dr Marko Simeunović

**Address:** Oktoih 1, 81000 Podgorica, Montnegro

**Contact mail:** marko.simeunovic@udg.edu.me

**Inspections and Audits**

* 1. The Supplier shall carry out all instructions of the Purchaser which comply with the applicable laws where the destination is located.
	2. The Supplier shall permit, and shall cause its Subcontractors and consultants to permit, the Ministry of Science and/or persons appointed by the Ministry to inspect the Supplier’s offices and all accounts and records relating to the performance of the Contract and the submission of the bid, and to have such accounts and records audited by auditors appointed by the Ministry if requested by the Ministry.

**Attachment 1**

**Technical specification**

 **Lot1**

|  |  |
| --- | --- |
| **Required by the Purchaser** | **Offered by the Bidder*****(Bidder to provide name of the technical specification of offered goods)*** |
| **Item #1** | * It is required for the workstation to run the latest OS X in order to meet the cross-platform development requirement (iOS and Android app will be developed).
* At least i5 Intel 8-th generation 2.3GHz quad core processor, equivalent or better
* min 13” (2,560 x 1,600 resolution) screen
* 8GB 2133MHz LPDDR3 memory
* 512GB SSD
* Over 9h of battery life
* At lest 4 Thunderbolt ports.
* WxDxH: (<31cm,<22cm,<1.5cm)
 |  |
| **Item #2** | * OS X compatible bluetooth/wireless keyboard
 |  |
| **Item #3** | * Compatible USB-C to HDMI/USB adapter
 |  |

 **Lot2**

|  |  |
| --- | --- |
| **Required by the Purchaser** | **Offered by the Bidder*****(Bidder to provide name of the technical specification of offered goods)*** |
| **Item #1** | * Intel i7 8th generation Quad-Core CPU (8 threads) at least 1.8MHz base frequency, equivalent or better.
* At lest integrated GPU (300MHz) with 4K support
* 16GB / 2133MHz LPDDR3 RAM
* Between 13” and 14” FHD (1920x1080) IPS Anti­glare.
* 512GB SSD M.2 PCIe NVMe Opal2
* WLAN
* Bluetooth module at least 4.1
* LTE CAT9 modem
* Over 10h of battery life and support for fast charging 0-75% in 60min.
* NFC
* Fingerprint reader + TPM
* Battery at least 55 Wh
* At least 2 USB3.1 ports and 2 USB-C ports
* Durable, at least MIL-STD-810G (carbon-fibre/glass-fibre/magnesium alloy or similar).
* Weigths up to 1.2 kg
* WxDxH: (<33cm, <22cm, <1.6cm)
* Windows 10 Pro Operating System
 |  |
| **Item #2** | * Intel i5 8th generation Quad-Core CPU at least 1.6MHz base frequency, equivalent or better
* Dedicated Graphics at least 2GB memory
* 8GB DDR4 2400MHz
* Between 14” and 15.6” HD display
* 1TB Hard Drive
* HDMI output
* At least 2 USB ports and one USB-C port
* Bluetooth 4.1
* Fullsize keyboard with numericpad
* Battery at least 50 Wh
 |  |
| **Item #3** | * Hex-Core CPU at least 2.8GHz 9MB Cache with integrated graphics
 |  |
| **Item #4** | * Hex-Core CPU at least 3.7GHz 12MB cache with integrated graphic
 |  |
| **Item #5** | * Compatible motherboard for Item #3
* 4\*DDR4 slots
* At least 1xPCIe 3.0
* At least one M.2 slot
* DVI-D/HDMI
 |  |
| **Item #6** | * Compatible motherboard for Item #4
* 4xDDR4 (4000MHz) slots
* 1xPCIe slot
* 2xM.2 slots
* DVI-D/HDMI
 |  |
| **Item #7** | * RAM module 8GB, 3000MHz, CL16, 1.20V
 |  |
| **Item #8** | * NVMe PCIe SSD 240GB, M.2, at lest 1500/900MB/
 |  |
| **Item #9** | * NVMe PCIe SSD 480GB, M.2, at least 1500/900MB/
 |  |
| **Item #10** | * GPU with at least 2304 CUDA cores
* 288 Tensor Cores
* 8GB GDDR6
* 256 memory bus
 |  |
| **Item #11** | * Power Supply Unit at least 750W Bronze
 |  |
| **Item #12** | * Uninterruptible Power Supply 1500VA/900W
 |  |
| **Item #13** | * CPU Cooler for Item #4
* Air-Cooled 4-pin
 |  |
| **Item #14** | * Wireless keyboard and mouse combo
* Included batteries
 |  |
| **Item #15** | * Mid-Tower PC Case
 |  |
| **Item #16** | * Mid-Tower Case
* 3 USB ports
* at least 6 case fan moutning options
 |  |
| **Item #17** | * At least 23”
* 1920x1080 Full HD IPS Display
* At least 150 mm of height adjustment
* Supports DisplayPort HDMI and VGA
* Built-in USB ports
 |  |