

ANNEX II + III: TECHNICAL SPECIFICATIONS + TECHNICAL OFFER

LOT 3: IT EQUIPMENT

Publication reference: EuropeAid/135215/DH/SUP/RS

**Columns 1-2 are completed by the Contracting Authority
Columns 3-4 to be completed by the tenderer
Column 5 is reserved for the evaluation committee**

Annex III - the Tenderers technical offer

The tenderers are requested to complete the template on the next following pages:

- Column 2 is completed by the Contracting Authority and shows the specifications of the goods required (any modification applied by the tenderer may lead to the disqualification of the Lot so modified).
- Column 3 to be filled in by the tenderer and must detail what exactly is offered and name of manufacturer (for example the words "compliant" or "yes" are not sufficient).
- Column 4 allows the tenderer to make comments on his proposed goods and also to make reference to his documentation

The tenderers are required to demonstrate that specifications of the items that they offer are responsive to the requirement set out in the tender dossier and to identify model and manufacturer of each individual item in their technical offer and to provide necessary documentation such as catalogues, brochures, booklets that inform of details of technical specifications that sufficiently define the equipments being offered, and thus should enable the contracting authority to check the information provided in the technical offer. Offers that do not permit to identify precisely the models and the specifications quoted may be rejected during evaluation.

MANDATORY REQUIREMENTS FOR LOT 3

All equipment shall be provided complete with the necessary accessories and/or parts such as to ensure that the unit is capable of operating to the required technical and quality specifications.

All specifications details listed for each item are minimum requirements. Any improvements on the specifications or additional features offered should be clearly identified in the Tenderer's offer.

The mains supply voltage in Serbia is 220 V (single-phase) and 380 V AC (three-phase) with neutral, 50 Hz nominal. In addition to power black-outs, the quality and stability of the supplied voltage may undergo fluctuations (plus or minus) of more than 10%. Therefore, all equipment shall be operated on $220\text{ V} \pm 20\text{ V}$, $50\text{ Hz} \pm 0.5\text{ Hz}$, or $380\text{ V} \pm 40\text{ V}$ power supply and be suitable for direct connection to the standard single phase/three phase power outlets in Serbia.

The items to be provided should not be hybrids and shall have a registered brand name.

All software shall be provided and licensed to allow the trained personnel to perform SW loading, update, repair/debug, cold start and diagnosis/report activities without Supplier assistance.

All IT equipment shall be capable of operating under following temperature, humidity and protection level (as defined in EN 60529):

- Operating temperature: $10^{\circ}\text{C} - 40^{\circ}\text{C}$
- Relative Humidity: $20\% - 80\%$

Safety: The Contractor is responsible for advising of any H&S risks associated with equipment provided and of suitable protective measures.

Equipment which allows capacity upgrading shall be provided in such a way that upgrades can be performed by installing additional capacity, without discarding the already installed capacities.

The Contractor shall deliver, install and commission all equipment, fittings and fixings, including final installation and connection and all miscellaneous items of equipment, fixings and fittings in order that the supplies are left in place fully operational and ready for use. The cost of consumables used during installation and commissioning and for running time, before provisional acceptance, shall be borne totally by the Contractor.

The Contractor shall bring all services for electrical work from existing connections and installed in, on, through or adjacent to the equipment and fittings and finally connected as required to complete the installation.

All equipments must be in conformity (or compatible with) any standards in force or with the commonly accepted best production practices, including any ISO, IEC or other relevant provisions that may apply to each specific category of equipment. All equipment supplied must conform to the relevant CE regulation/norm and carry a suitable CE badge of conformity, permanently fixed to the machine. All equipments should, furthermore, comply with the state of the art features concerning safe operation, energy saving and environmental safety, in line with the generic policies or the practical measures in use within the EU, namely within the scope of Product Safety, Energy Efficiency and Environment Management, as applying; tenderers are thus requested to state in their offers how do they address such issues by means of appropriate manufacturing or operational characteristics or instructions.

A project implementation schedule with major milestones shall be provided in the proposals of the tenderers.

Technical documents to be delivered

Each set of equipment shall be provided with an original set of users' manuals for all parts of the equipment. These manuals shall be supplied in Serbian and/or English languages at delivery.

The following documents are obligatory for provisional acceptance:

- Original certificate of origin
- Certificate that the Equipment is complying with EU Regulations for IT Equipment and CE norms
- Manufacturer Warranty document, signed and stamped by the Tenderer for each item

Warranty:

During the 1 year warranty, the tenderer must ensure the technical support locally, capable of solving any problem on site with a response time of less than 24 hours.

Commercial warranty:

All items supplied in this Lot shall include full **manufacturer's commercial warranty** granted for a minimum of two (2) years from **provisional acceptance**. The commercial warranty provided shall be described in detail in the tender.

13

Marking and Labelling

All equipment shall be marked with labels in English bearing the EU logo as per EU visibility Guidelines. See special conditions for additional details.

Visibility

The contractor must be familiar and comply with the objectives and priorities, as well as guarantee the visibility of EU financing (see the Communication and Visibility Manual for EU external actions specified and published by the European Commission at http://ec.europa.eu/europeaid/work/visibility/index_en.htm). In addition to the these standard visibility provisions, the consultant should install a commemorative metal plaque on the entrance to the institution where the equipment is to be placed, providing information on the EU donation. The Contractor shall produce a draft of the layout and submit it for approval to the Contracting Authority prior to production/delivery. The Contracting Authority shall also advise the successful bidder on the exact dimension, layout, colour regime and wording/symbols of self-adhesive stickers marking each piece of equipment and the commemorative plaque upon contract signature.

TECHNICAL SPECIFICATIONS:

1. Item Number	2. Specifications	3. Specifications Offered	4. Notes, remarks, ref to documenta- tion	5. Evaluation Committee's notes
3.1	Desktop Computer (Minimum Requirements)			
	Quantity: 1000			
	Small Form Factor (SFF) computer case			
	One CPU with 3.4 GHz or more, no less than 2C/socket with included Hyper-Threading support, at least 3MB Cache (minimum 1.5MB/Core). Architecture with 64 bit instruction set (x64 Intel or equivalent AMD technology).			
	Minimum 4 GB of DDR3 memory with 1600MHz, total RAM expandable to min. 16 GB (supported capacity per memory module 2GB /4GB/8GB DDR3, at least 2 DIMM slots on the motherboard).			
	At least 2 PCIe slots (min. one PCIe with x16 bandwidth and min. one PCIe with at least x1 bandwidth).			
	Supported interfaces on the motherboard: minimum 2xUSB 2.0 port at the front side of the case, minimum 2xUSB 2.0 port at the back side of the case, minimum 2xUSB 3.0 ports, minimum 1xRJ-45.			
	Smart-card reader integrated in computer case or on the supplied keyboard			
	Minimum 500GB HDD SATA III, 7200 rpm.			

1. Item Number	2. Specifications	3. Specifications Offered	4. Notes, remarks, ref to document- ation	5. Evaluation Committee's notes
	Graphic adapter with support for resolution of 1920 x 1200 @ 60 Hz & 16.7 million colours. Interface 1xVGA and/or 1xDVI			
	Internal optical DVD+/-RW Drive			
	Integrated LAN adapter with RJ-45/UTP socket and with 10/100/1000 Mbit/s network speed support.			
	Keyboard with Serbian Latin language keyboard layout support			
	Optical mouse			
	Compliant standards: CE and/or TÜV GS, RoHS, EPEAT/WEEE, Energy Star			
	Operating system: Windows or Desktop Linux (Ubuntu or similar). Current version of the OS should be the latest release of the software or the release before the latest if the latest release is newer than one year.			
3.2	Monitor			
	Quantity 1000			
	Diagonal Viewing Size: Minimum 20 inches (50.8 cm)			
	Backlight Technology: LED			
	Minimum resolution that must be supported 1600 x 900 at 60 Hz			
	Aspect Ratio: Widescreen			

1. Item Number	2. Specifications	3. Specifications Offered	4. Notes, remarks, ref to document- ation	5. Evaluation Committee's notes
	Contrast ratio: 1000: 1			
	Brightness: 250 cd/m2			
	Response time: 5 ms			
	Viewing angle: (160° vertical / 160° horizontal)			
	Monitor stand with tilt support			
	Connectivity: 1xVGA, 1xDVI			
	Speakers: Integrated into monitor or provided as original manufacturer's attachment to the monitor.			
	Power Supply: Integrated			
	Compliant Standards: TCO ,CE and/or TÜV GS, RoHS, EPEAT/WEEE, Energy Star			
3.3	Monochrome Laser Printer			
	Quantity: 700			
	Type: Laser, black and white			
	Print Speed: Minimum 20 pages per minute			
	First page speed: Maximum 10 seconds			
	Print quality: Minimum 600x600 dpi resolution			
	Monthly duty cycle: Minimum 10,000 pages			

3

1. Item Number	2. Specifications	3. Specifications Offered	4. Notes, remarks, ref to documen- tation	5. Evaluation Committee's notes
	Paper trays capacity: Minimum 150 pages			
	Paper format: A4			
	Connection: USB 2.0 compatible port and 1xRJ-45 UTP 10/100 Mbps (LAN) port.			
	Operating System drivers support: Windows and Linux (version matching to operating system delivered for item 3.1)			
	Installation software, power cable, printer cable, 1 toner cartridge Documentation English / Serbian (if available)			

LOT 6 Delivery, installation and training list:

	Location for delivery and installation	3.1	3.2	3.3
1	Institut for Public Health “ Dr Milan Jovanovic Batut” Cancer Screening Office	30	30	30
2	Institute for Oncology and Radiology of Serbia	80	80	40
3	Institute for Orthopaedic Surgery “Banjica”	60	60	40
4	Clinical Hospital Centre “Bežanijska Kosa”	30	30	30
5	Clinical Hospital Centre “ Zemun”	100	100	70
6	Clinical Hospital Centre “ Zvezdara”	210	210	130
7	General Hospital Bor	30	30	25
8	General Hospital Cacak	80	80	50
9	General Hospital Cuprija	80	80	50
10	General Hospital Kikinda	10	10	10
11	General Hospital Krusevac	80	80	50
12	General Hospital Pancevo	50	50	40
13	General Hospital Pirot	20	20	15
14	General Hospital Prokuplje	30	30	25
15	General Hospital Paracin	0	0	20
16	General Hospital Smederevo	20	20	30
17	General Hospital Subotica	90	90	45

3

2